

Second Quarter 2007

Groundwater and Soil Vapor Monitoring Report

Former Weber Aircraft Facility

Burbank, California



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Groundwater and Soil Vapor Monitoring Report
Former Weber Aircraft Facility
Burbank, California

Prepared for
P. H. Burbank Holdings, Inc.

Project No. 40641

July 2007



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Signature Page

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July 17, 2007

Mr. Larry Moore
Spills, Leaks, Investigation & Cleanup (SLIC) Unit II
Los Angeles Regional Water Quality Control Board
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

Subject: Former Weber Aircraft Facility
Burbank, CA

Dear Mr. Moore:

Attached is the 2nd Quarter groundwater monitoring report for the subject site. The 3rd Quarter groundwater sampling event is scheduled for the last of July/first of August. Please let me know if you have any comments or questions.

Sincerely,

A handwritten signature in black ink that appears to read "David Guier".

David Guier
Retained Liabilities & Remediation Program Manager

Ms. Rachel Loftin-USEPA
Mr. Alex Lapostol-CH2M Hill
Mr. Gary Messerotes-Burns & McDonnell

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	BACKGROUND	1
2.1	PREVIOUS ENVIRONMENTAL ACTIVITIES	2
3.0	GEOLOGY/HYDROGEOLOGY.....	4
3.1	REGIONAL HYDROGEOLOGY	4
3.2	TOPOGRAPHY AND SURFACE DRAINAGE.....	4
3.3	SITE SPECIFIC HYDROGEOLOGY	5
3.4	SITE CONDITIONS.....	5
4.0	GROUNDWATER SAMPLING ACTIVITIES	7
4.1	WELL GAUGING PROCEDURES.....	7
4.2	WELL PURGING PROCEDURES.....	7
4.3	PURGE WATER DISPOSAL	7
4.4	GROUNDWATER SAMPLING.....	8
4.5	QUALITY CONTROL SAMPLING	8
5.0	SOIL VAPOR SAMPLING	8
5.1	PURGE VOLUME TEST	8
5.2	SAMPLE COLLECTION.....	9
5.3	USE OF TRACER COMPOUND TO ENSURE PROBE SEAL INTEGRITY	9
5.4	SAMPLE FLOW RATE	9
6.0	GROUNDWATER FLOW CONDITIONS	10
7.0	ANALYTICAL RESULTS.....	10
7.1	TITLE 22/CAM 17/METALS	11
7.2	EMERGING CHEMICALS.....	13
7.3	VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER	13
7.4	INORGANIC COMPOUNDS, ANIONS, DISSOLVED OXYGEN, AND SULFIDES	14
7.5	VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR.....	15
7.6	QUALITY CONTROL SAMPLES	16
8.0	SUMMARY AND CONCLUSIONS.....	16
8.1	TITLE 22/CAM 17 METALS	17
8.2	EMERGING CHEMICALS.....	17
8.3	VOLATILE ORGANIC COMPOUNDS	18
8.4	INORGANIC COMPOUNDS, ANIONS, SULFATES, DISSOLVED OXYGEN	19
8.5	SOIL VAPOR	19

LIST OF TABLES

Table i	Chemical Abbreviations
Table ii	Laboratory Qualifiers
Table 1A	Groundwater Well Construction Details
Table 1B	Cumulative Groundwater Elevations Data
Table 2	Summary of Title 22/CAM17 Metals, Hexavalent Chromium, Dissolved Metals, and Mercury – 2 nd Quarter 2007
Table 3	Summary of Inorganic Compounds, 1,4-Dioxane, NDMA, Perchlorate, Sulfate, and Chloride – 2 nd Quarter 2007
Table 4	Summary of Dioxins/Furans – 2 nd Quarter 2007
Table 5	Summary of Volatile Organic Compounds – 2 nd Quarter 2007
Table 6	Summary of Volatile Organic Compounds in Soil Vapor – 2 nd Quarter 2007

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Groundwater Elevation Map – May 2007
Figure 3	Concentration of Total Chromium in Groundwater – May 2007
Figure 4	Concentration of Hexavalent Chromium in Groundwater – May 2007
Figure 5	Concentration of PCE in Groundwater – May 2007
Figure 6	Concentration of TCE in Groundwater – May 2007
Figure 7	Concentration of 1,1-DCE in Groundwater – May 2007
Figure 8	Concentration of Nitrate as (N) in Groundwater – May 2007

LIST OF APPENDICES

Appendix A	Groundwater Sampling Forms – 2 nd Quarter 2007
Appendix B	Compact Disc (hard copies only) 2 nd Quarter 2007 Analytical Reports and Chain-of-Custody Documentation, Title 22/CAM 17 Metals and Volatile Organic Compounds, Laboratory Reports and Chain-of-Custody Documentation, Dioxins/Furans
Appendix C	Compact Disc (hard copies only) Mobile Laboratory Reports and Chain-of-Custody Documentation, Soil Vapor, Volatile Organic Compounds – 2 nd Quarter 2007
Appendix D	Burns & McDonnell's QA/QC Review of Groundwater & Soil Vapor Analytical Data

1.0 INTRODUCTION

This quarterly groundwater monitoring report for the former Weber Aircraft Facility (Site) is being submitted in response to correspondence from the California Regional Water Quality Control Board – Los Angeles Region (Regional Board) requesting the initiation of a quarterly monitoring program to determine if volatile organic compounds (VOCs), heavy metals, and or emerging chemicals are present at the Site. P.H. Burbank Holdings, Inc., has contracted for environmental consulting services with Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) to perform this scope of work.

2.0 BACKGROUND

The Site is located at 2820 North Ontario Street (Parcel 1) and 300 San Fernando Boulevard (Parcel 3), in Burbank, California (Figure 1). The Site is bounded on the southwest by the former Kahr Bearing (Kahr) Facility and San Fernando Boulevard, on the west by North Ontario Street, a building to the north, the Golden State Freeway (I-5) along the northeast, and the Stainless Steel Products Inc. (SSP) facility to the southeast.

The Site has been in the process of re-development for several years. Currently two office buildings, parking and driveways, and landscaping cover Parcel 1, along North Ontario Street. The remainder of Parcel 1 contains parking and driveways for future development and unimproved ground in non-asphalt covered areas. Parcel 3 is covered by asphalt and is currently used as a parking lot. Site development activities were reinitiated during the Second and Third Quarters of 2006 with building pads and footings being constructed. Construction of two additional office buildings commenced during the Fourth Quarter 2006 and continued through the Second Quarter 2007. As of May 2007, these new buildings are partially, or completely occupied. Tenants are Direct Buy and Triumph Instruments.

The former Weber Aircraft (Weber) Facility was part of an industrialized complex located northeast of the Bob Hope (Burbank) Airport. Weber initially leased the facility from Lockheed Aircraft (Lockheed) and sometime during the early 1960s purchased the facility from Lockheed. Prior to Lockheed's ownership, the facility was owned by the Ginsburg Brothers, who operated a distillery at the Site. Weber manufactured aircraft parts and galley assemblies at the Site from the early 1950s until termination of facility operations in 1989. Manufacturing operations conducted by Weber included metal plating, machining, painting, degreasing, and panel assembly work. The facility was decommissioned and demolished in 1992.

2.1 Previous Environmental Activities

Several phases of subsurface investigations have been conducted at the Site since 1988. The investigations consisted of soil gas surveys, soil drilling and sampling and groundwater monitoring. At least 9 soil investigations have been performed between 1988 and 1997, with a focus on investigating areas within the facility where regulated compounds were suspected of being used, around the location of chemical storage areas, in order to delineate releases to soil as identified from earlier investigations, and other areas of environmental concern.

Investigations conducted to date have identified the following chemicals of concern (COC): primarily volatile organic compounds (VOCs), including cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethene (1,1-DCE), 1,1,1-trichloroethane (TCA), trichloroethene (TCE) and tetrachloroethene (PCE); aromatic hydrocarbons and total petroleum hydrocarbons (TPH); and metals (cadmium, chromium, copper, nickel, zinc and lead).

Previous soil gas investigations collected and analyzed a total of 315 soil gas samples for VOCs. Eleven potentially impacted soil areas (designated ISA1 through ISA11) were identified across the Site. Five of the ISAs (ISA5, 6, 7, 9 and 10) were identified with VOCs in soil samples above a response level of ten times the maximum contaminant level (MCL) or action level for drinking water.

A total of 110 soil borings have been drilled and sampled at the Site to investigate the vertical and lateral extent of contaminants in the subsurface. The majority of samples that contained detectable concentrations of the COCs were collected from depths of 50 feet below ground surface (bgs) or less. Six samples, collected at 70, 75, 80, 100, and 140 feet bgs contained detectable concentrations of PCE, TCA, and or TCE.

Five groundwater monitoring wells were installed in 1991 and were restored to operational condition in 2004. Groundwater well construction details are presented in Table 1A. Historical depths to groundwater beneath the Site ranged between 186.9 feet bgs (measured on January 30, 1996 in well SW-4) to 244.5 feet bgs (measured on December 20, 2004 in well SW-3). The wells have been monitored periodically over the years, but not on a consistent schedule until 2006. Historical groundwater levels are presented in Table 1B.

Site remediation activities have consisted of source removal, excavation and removal of VOC and metals-impacted soil, and soil vapor extraction of VOCs. Several areas of shallow soil impacted with VOCs and metals were excavated and the impacted soil removed from the Site. Soil impacted with metals above response levels was excavated from ISA1, ISA2, and ISA4. Shallow soil impacted with metals and VOCs was also removed from ISA7. Source removal included the abandonment of underground storage tanks and demolition of all facility structures on the Site. In conjunction with demolition, limited soil excavation was also performed in 1992.

Vapor wells were installed in five VOC-impacted ISAs from 1991 through 1994, as part of the soil vapor extraction (SVE) system. The SVE system consisted of six vapor extraction wells (V-2 through V-7), four vapor monitoring wells (VM-1 through VM-4), and nine "vapor break" wells (VBW-1 through VBW-9). The vapor extraction wells were screened from 10-30, 50-70, and 80-100 feet bgs. Vapor monitoring wells were installed to monitor soil gas in areas immediately adjacent to, and at some distance from,

the extraction wells. Vacuum break wells were installed to monitor the potential for migration of adjacent VOC plumes from the Kahr and SSP sites, toward the SVE system. The SVE system was operated from May 1996 through January 1997. Soil vapor rebound testing was conducted in October 1997 to document post soil vapor extraction conditions at the Site.

During November 2006 through January 2007, Burns & McDonnell advanced 15 borings ranging in depths from approximately 200 feet bgs to 270 feet bgs. Soil samples were collected at intervals predetermined by the Regional Board. Monitoring well SW-4 was decommissioned and replaced by monitoring well MW-4A. Two new groundwater monitoring wells, designated MW-6 and MW-7, were installed to depths of 270 feet bgs. In addition, 45 soil vapor probes were installed at depths ranging from 35 feet bgs to 200 feet bgs. Well installation and construction details are discussed in the Additional Site Investigation Report, Former Weber Aircraft Facility, Burbank California, May 2007.

3.0 GEOLOGY/HYDROGEOLOGY

3.1 Regional Hydrogeology

The Site is located in the San Fernando groundwater basin. The basin is bounded on the east and north by the San Rafael Hills and Verdugo Mountains, on the north by the San Gabriel Mountains, and on the south by the Santa Monica Mountains. A concrete-lined channel, which originates in the Hanson-La Tuna Canyon area, a tributary to the Los Angeles River, is located approximately 1,100 feet to the southwest. Sediments of Recent and older alluvium underlie the Site, and are composed primarily of sands and gravels derived from igneous and metamorphic rocks eroded from the San Gabriel and Verdugo Mountains.

3.2 Topography and Surface Drainage

The Site is situated on a broad gentle alluvial pediment that slopes generally to the southwest at less than one percent. Regional surface runoff flows to the west and

southwest by streets and gutters, storm drains, and some local natural drainage channels. Site specific surface runoff from Parcel 1 flows to the southeast, discharging through the adjacent property.

3.3 Site Specific Hydrogeology

Based on the drilling and geophysical logs of previous investigations, the Site appears to be underlain by medium dense to dense sand, gravelly sand, and gravels to depths of at least 270 feet bgs. A hard gravel layer is present at a depth of approximately 75 feet bgs, and may represent a zone coincident with the highest groundwater elevation recorded in the area, measured at 72 feet bgs in 1944 (Woodward-Clyde Consultants, 1993, Drilling at Impacted Soil Areas, Former Weber Aircraft Facility, Burbank, California,: Volume I: August, Final Report). Other gravel/cobble horizons occur at approximately 140 feet, 160 feet, and 245 to 250 feet bgs. These bedded gravels appear to be laterally discontinuous, and can sometimes be correlated between adjacent borings.

The gravelly sands and cobble horizons typically form interbedded sequences, becoming coarser with increasing depth, and are occasionally separated by laterally extensive or discontinuous rare clays, sandy-silts, silty-sands and silts. The depositional environment for sediments at the Site is a coalescing alluvial fan environment. These observations are consistent with published geologic mapping by the USGS.

3.4 Site Conditions

The following is a brief summary of the groundwater conditions beneath, and in the immediate area of, the Site. Information presented here was summarized from previous reports submitted to the Water Board, and included water elevation and contaminant concentration data from Lockheed wells along San Fernando Boulevard and Ocean Technology, Inc. (OTI), SSP, and Weber wells. The previous reports indicated the following:

- The groundwater gradient in the region surrounding the Site has historically been generally to the south-due to extensive pumping by Lockheed, combined with

water extractions from North Hollywood, Mission, and Erwin Well Fields. This historical pumping created a cone of depression in the area south and west of the Burbank Airport (WCC, 1991).

- The groundwater gradient in the vicinity of the Site is reflective of the regional gradient; with the gradient to the immediate east of the Site sloping to the south-southwest and the gradient beneath the Site sloping to the south (WCC, 1991).
- Possible offsite source areas of COCs detected in Well SW-4 may be located to the north-northeast of Well SW-4 (WCC, 1991).
- Possible offsite source areas of COCs detected in Well SW-5 may be located to the north-northeast of Well SW-4 (WCC, 1991).
- Evaluation of soil and groundwater data from Lockheed, Ocean Technology, Inc.(OTI), SSP and Weber files indicated the presence of significant releases of PCE and TCE from upgradient facilities, not inclusive of the Site (WCC, 1991).
- The PCE plume is centered on the location of the former SSP solvent landfarming area and is elongated in a north-south direction (WCC, 1991). Soil borehole sample data collected by SSP confirmed PCE in soil at depth at concentrations of 13,000 micrograms per kilograms ($\mu\text{g}/\text{Kg}$) beneath the former landfarm area (A.L. Burke Engineers, Inc. 1989. *Phase III Site Investigation – Stainless Steel Products Corporation – Burbank, California, August 1989*).
- The area wide TCE plume is centered on OTI and is elongated in a north-south direction, WCC, 1991).

4.0 GROUNDWATER SAMPLING ACTIVITIES

The quarterly groundwater monitoring and well sampling program was reinitiated in January 2006.

4.1 Well Gauging Procedures

On May 14, 2007, static groundwater level measurements were obtained at seven monitoring wells (SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6 and MW-7). Prior to obtaining groundwater level measurements, the well caps from each wellhead were removed in order for the water levels to reach static equilibrium. For each well, the depth to groundwater was measured from a surveyed reference point at the top of the well casing using an electronic interface probe. Measurements were recorded to the nearest 0.01 feet. Prior to measuring groundwater levels in the monitoring wells, the measuring tape of the interface probe was washed in an Alconox/water solution and rinsed with deionized water. Groundwater level measurements were recorded on the Groundwater Sampling Forms, which are provided in Appendix A.

4.2 Well Purgung Procedures

Burns & McDonnell retained Blaine Tech Services Inc. to purge and sample the groundwater monitoring wells. Monitoring wells were purged using either a 2 inch submersible pump or a 1 inch bladder pump. New tubing was used at each well location and then dedicated to each well. Water quality parameters (including pH, electrical conductivity, turbidity, dissolved oxygen and temperature, purge rates and volumes) are noted on Groundwater Sampling Forms (Appendix A). Once the water quality parameters had stabilized to within plus or minus 10 percent, samples were collected. The reusable submersible pump and bladder pump were washed in an Alconox/water solution and rinsed with deionized water between uses. A new bladder was installed before commencement of purging at each well.

4.3 Purge Water Disposal

Purged groundwater was collected in a holding tank on the sampling vehicle and transferred into 55-gallon drums, which were then labeled, sealed, and stored onsite (in

the northeast corner of the Site, near Well SVP-1) to await transportation and disposal at an appropriate facility.

4.4 *Groundwater Sampling*

Groundwater samples were collected at the seven wells using either a submersible pump or bladder pump, and a representative aliquot was then dispensed into laboratory-supplied sample containers. The sample containers were labeled and placed on crushed ice inside an insulated ice chest for transport to the analytical laboratory. Chain-of-Custody documentation was prepared and accompanied the samples to the analytical laboratory.

Field measurements and observations noted during sampling were recorded on the Groundwater Sampling Forms (Appendix A).

4.5 *Quality Control Sampling*

A rinsate sample, designated Rinsate-1, was collected as a quality assurance / quality control sample (QA/QC). The rinsate sample was obtained after sampling and decontaminating at Well MW-4A, and prior to purging and sampling at Well MW-7. The rinsate sample was submitted for analysis of dioxins/furans (Method DLM02.0). Trip blanks accompanied groundwater samples on each day of the sampling event and were analyzed for VOCs and 1,2,3-Trichloropropane (1,2,3-TCP).

5.0 SOIL VAPOR SAMPLING

Quarterly soil vapor monitoring was initiated in January 2007. Burns & McDonnell retained H&P Mobile Geochemistry (H&P) to sample and analyze soil vapor from the forty five (45) individual SVPs installed at the Site. The soil vapor sample collection occurred between May 14 and May 16, 2007, in accordance with H&P's standard operating procedures (SOP) as summarized below.

5.1 *Purge Volume Test*

A Site-specific purge volume test was conducted on January 17, 2007 to determine an optimal purge volume for the SVPs across the Site. Three different purge volumes were

sampled (nominally 1, 3, and 7 purge volumes) and analyzed immediately to determine the volume amount with the widest range of VOC compounds detected and highest concentrations. Results for each purge volume were reported to the Regional Board at the time of analysis. Based on the results of the purge volume test, the Regional Board verbally communicated that 5 purge volumes should be used at this Site.

5.2 *Sample Collection*

Soil vapor was withdrawn from the end of a length of inert Nylaflow® tubing that was connected to the stainless steel surface completion of the SVP sampling tip, using a 20 to 60 cubic centimeter (cc) syringe connected via an on-off valve. A sample of in-situ soil vapor was then withdrawn and immediately transferred to the mobile lab for analysis within minutes of collection. The use of small calibrated syringes allowed for careful monitoring of purge and sample volumes. This procedure ensured adequate sample flow was obtained without excessive pumping of air or introduction of surface air into the sample.

5.3 *Use of Tracer Compound to Ensure Probe Seal Integrity*

A tracer compound, 1,1-difluoroethane (1,1-DFA), was used to test for leaks around the probe barrel at the ground surface and in the sampling system. The tracer was placed around the base of the probe barrel and at the top of the probe barrel during sample collection. If the tracer was detected per California Environmental Protection Agency (CA-EPA) advisory specifications, all fittings were checked and another sample was collected.

5.4 *Sample Flow Rate*

Sample collection was timed so that the flow rate did not exceed 200 milliliters per minute. This was accomplished by withdrawing the plunger on the 60 cc syringe at a constant rate for 20 seconds. The collector noted the collection time on a logsheet, and also recorded any resistance to sample flow that was felt on the syringe during collection.

6.0 GROUNDWATER FLOW CONDITIONS

Groundwater level measurement data was used to assess the flow direction and gradient for the monitoring wells, screened from 190 feet bgs to 272 feet bgs at the Site.

Groundwater elevation data is presented in Table 1B. Groundwater elevation contours (as measured on May 14, 2007), flow direction, and gradient are presented on Figure 2.

During the May monitoring event, the depth to groundwater ranged between 217.56 feet (MW-4A) to 226.22 feet (SW-1) below the top of casing (TOC). Groundwater elevations ranged from 473.04 feet (SW-5) as referenced to mean sea level (msl) to 485.58 feet (SW-1, offsite and upgradient) msl, showing a difference in elevation of 12.54 feet across the Site. Groundwater flow direction during this event continued to be toward the south, at an average gradient of 0.009 feet per foot (ft/ft).

7.0 ANALYTICAL RESULTS

The following discussion of analytical results focuses on those constituents which were detected at concentrations in excess of the laboratory reporting limits and had no quality control qualifiers flagged by the analytical laboratory. In order to see those results that had a qualifier flagged by the analytical laboratory, see the corresponding tables in this report, the Certified Laboratory Reports presented in Appendices B and C, and Burns & McDonnell's QA/QC Review of Analytical Data presented in Appendix D.

The following list of analyses was performed on groundwater samples collected for this sampling event:

- VOCs (EPA 8260B)
- 1,4-Dioxane (EPA 8270C)
- Title 22/CAM 17 Metals (EPA 6010B/7470A)
- Hexavalent Chromium (EPA 7199)
- Anions (NO₂, NO₃, SO₄, Cl) (EPA 300.0)
- Perchlorate (EPA 314.0)
- Dissolved Oxygen (EPA 360.1)
- Sulfide (EPA 9034)

- 1, 2, 3-Trichloropropane (EPA 524 SIM)
- N-Nitrosodimethylamine (NDMA) (EPA 1625C-CI Mod)
- Cations (EPA 6010)
- Dissolved Iron & Manganese (EPA 6010B-Diss)
- Dioxins/Furans (Method DLM02.0)

The following list of analyses was performed on soil vapor samples collected for this sampling event:

- VOCs (EPA 8260B)

7.1 Title 22/CAM 17/ Metals

Seven groundwater samples were analyzed for Title 22/CAM 17/ Metals (6010B/7470A) during the May 2007 monitoring event. Analytical results are presented in Table 2; Certified Analytical Reports and Chains of Custody documentation are presented in Appendix B. The following is a listing of the metals results:

- *Aluminum (Al)* was detected in Wells SW-1, SW-3, MW-4A, MW-6 and MW-7 at concentrations of 330 µg/L, 2,500 µg/L, 630 µg/L, 1,800 µg/L, and 1,600 µg/L, respectively.
- *Barium (Ba)* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 93 µg/L, 87 µg/L, 160 µg/L, 84 µg/L, 150 µg/L, 56 µg/L, and 90 µg/L, respectively.
- *Calcium (Ca)* was detected in Wells SW-2, SW-3, SW-5, MW-6, and MW-7 at concentrations of 57,000 µg/L, 92,000 µg/L, 94,000 µg/L, 69,000 µg/L, and 94,000 µg/L, respectively.
- *Total Chromium (Cr)* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 78 µg/L, 14 µg/L, 700 µg/L, 9.2 µg/L, 28 µg/L, 22 µg/L, and 5.5 µg/L, respectively (Figure 3). For *Hexavalent Chromium* results, see *Section 6.2 - Emerging Chemicals*.
- *Copper (Cu)* was detected in Well SW-3 at concentrations of 17 µg/L.
- *Potassium (K)* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 3,000 µg/L, 3,800 µg/L, 5,400 µg/L, 4,200 µg/L, 5,200 µg/L, 4,700 µg/L and 6,100 µg/L, respectively.

- *Magnesium (Mg)* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 16,000 µg/L, 21,000 µg/L, 33,000 µg/L, 25,000 µg/L, 34,000 µg/L, 22,000 µg/L, and 33,000 µg/L, respectively.
- *Sodium (Na)* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 96,000 µg/L, 61,000 µg/L, 50,000 µg/L, 47,000 µg/L, 54,000 µg/L, 52,000 µg/L, and 52,000 µg/L, respectively.
- *Nickel (Ni)* was detected in Wells SW-1, SW-3, SW-5, and MW-6 at concentrations of 13 µg/L, 70 µg/L, 19 µg/L, and 10 µg/L, respectively.
- *Lead (Pb)* was detected in Wells SW-3, SW-5, and MW-6 at concentrations of 8.5 µg/L, 6.1 µg/L, and 5.7 µg/L, respectively.
- *Vanadium (V)* was detected in Wells SW-1 and SW-3 at concentrations of 13 µg/L and 13 µg/L, respectively.
- *Zinc (Zn)* was detected in Well SW-3 at a concentration of 37µg/L.
- *Iron (Fe)* was detected in Wells SW-1, SW-3, MW-4A, SW-5, MW-6 and MW-7 at concentrations of 1,600 µg/L, 6,300 µg/L, 740 µg/L, 350 µg/L, 2,300 µg/L, and 2,500 µg/L, respectively. (Note: Table 2 has been updated to include iron results dating back to when sampling was reinitiated in January 2006.)
- *Dissolved iron (Fe)* was detected in wells SW-1, SW-3, MW-4A, and MW-6 at concentrations of 99 µg/L, 180 µg/L, 53 µg/L, and 78 µg/L, respectively.
- *Manganese (Mn)* was detected in Wells SW-1, SW-3, MW-4A, MW-6 and MW-7 at concentrations of 39 µg/L, 88 µg/L, 31 µg/L, 240 µg/L, and 280 µg/L, respectively. (Note: Table 2 has been updated to include manganese results dating back to when sampling was reinitiated in January 2006.)
- *Dissolved Manganese* was detected in Wells MW-6 and MW-7 at concentrations of 45 µg/L, and 180 µg/L, respectively.
- *Silver (Ag), Arsenic (As), Beryllium (Be), Cadmium (Cd), Cobalt (Co), Molybdenum (Mo), Selenium (Se), Antimony, (Sb), Thallium (Tl), and Mercury (Hg)* were not detected in any of the wells sampled during this event.

7.2 Emerging Chemicals

Seven groundwater samples were analyzed during the May 2007 monitoring event for the emerging chemicals: Hexavalent Chromium (EPA 7199), Perchlorate (EPA 314.0), 1,4-Dioxane (8270C), N-Nitrosodimethylamine (EPA 1625C-CI MOD); and Dioxins/Furans (Method DLM02.0). Certified Analytical Reports and Chain-of-Custody documentation are presented in Appendix B.

- *Hexavalent Chromium* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, and MW-6 at concentrations of 4.7 µg/L, 12 µg/L, 110 µg/L, 7.2 µg/L, 7.8 µg/L, and 5.8 µg/L, respectively. Analytical results are presented in Table 2 and on Figure 4.
- *1,4-Dioxane* was detected in Wells SW-3 and MW-7 at concentrations of 0.76 µg/L and 5.8 µg/L, respectively. Analytical results are presented in Table 3.
- N-Nitrosodimethylamine (NDMA) was not detected.

In addition, samples from Wells SW-3, MW-4A, SW-5, MW-6 and MW-7 were collected for dioxins/furans analysis by Method DLM02.0.

- *2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)* as dioxin was detected in Well SW-3 at a concentration of 0.013 pg/L (picograms per liter). Analytical results are presented in Table 4. Dioxins/furans analytes were converted to 2,3,7,8-TCDD using Toxicity Equivalent Factors to acquire a comparable value to dioxin. No other detectable concentrations of *2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)* as dioxin was detected at or above the California MCL of 30 pg/L.

7.3 Volatile Organic Compounds in Groundwater

Seven groundwater samples were analyzed for VOCs during the May 2007 monitoring event. Analytical results are presented in Table 5 and Certified Analytical Reports and Chain-of-Custody documentation are presented in Appendix B. The following is a listing of the VOC results:

- *Tetrachloroethene (PCE)* was detected in Wells SW-3, SW-5, and MW-7 at concentrations of 100 µg/L, 54 µg/L, and 120 µg/L, respectively (Figure 5).
- *Trichloroethene (TCE)* was detected in Wells SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 93 µg/L, 500 µg/L, 37 µg/L, 370 µg/L, and 58 µg/L, respectively (Figure 6).
- *1,1,1-Trichloroethane (1,1,1-TCA)* was detected in Wells SW-3, SW-5, and MW-7 at concentrations of 3.9 µg/L, 1.4 µg/L, and 6.0 µg/L, respectively.
- *1,1-Dichloroethane (1,1-DCA)* was detected in Well MW-7 at a concentration of 1.1 µg/L.
- *1,2-Dichloroethane (1,2-DCA)* was detected in Well SW-5 at a concentration of 0.62 µg/L.
- *1,1-Dichloroethene (1,1-DCE)* was detected in Wells SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 9.6 µg/L, 28 µg/L, 6.4 µg/L, 17 µg/L, and 31 µg/L, respectively (Figure 7).
- *Cis-1,2-Dichloroethene (Cis-1,2-DCE)* was detected in Wells MW-4A and MW-7 at concentrations of 12 µg/L and 8.2 µg/L, respectively.
- *Chloroform* was detected in Wells SW-1, SW-3, and MW-7 at concentrations of 2.0 µg/L, 1.3 µg/L, and 1.6 µg/L, respectively.
- *Carbon Tetrachloride* was detected in Well SW-3 at a concentration of 0.66 µg/L.
- All other VOCs tested were not detected above their corresponding reporting limits.

7.4 Inorganic Compounds, Anions, Dissolved Oxygen, and Sulfides

Seven groundwater samples were analyzed for inorganic compounds, including anions, dissolved oxygen and sulfide, during the May 2007 monitoring event. Analytical results are presented in Table 3; Certified Analytical Reports and Chain-of-Custody documentation are presented in Appendix B. The following is a listing of the results:

- *Nitrate as (N)* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 7,900 µg/L, 7,900 µg/L, 13,000 µg/L, 9,000 µg/L, 9,900 µg/L, 7,300 µg/L, and 8,300 µg/L respectively.
- *Nitrate as (NO₃)* is converted from Nitrate as (N). ((Nitrate as (N) µg/L) x 4.429) = Nitrate as (NO₃) µg/L. Nitrate as (NO₃) was calculated in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 34,989 µg/L, 34,989 µg/L, 57,577 µg/L, 39,861 µg/L, 43,847 µg/L, 32,332 µg/L, and 36,761 µg/L respectively.
- *Sulfate* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 75,000 µg/L, 76,000 µg/L, 86,000 µg/L, 110,000 µg/L, 94,000 µg/L, 88,000 µg/L, and 94,000 µg/L, respectively.
- *Dissolved Oxygen* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 6,400 µg/L, 4,800 µg/L, 6,100 µg/L, 6,200 µg/L, 5,900 µg/L, 5,500 µg/L, and 5,700 µg/L, respectively.
- *Chloride* was detected in Wells SW-1, SW-2, SW-3, MW-4A, SW-5, MW-6, and MW-7 at concentrations of 50,000 µg/L, 57,000 µg/L, 49,000 µg/L, 54,000 µg/L, 50,000 µg/L, 41,000 µg/L, and 58,000 µg/L, respectively.
- *Fluoride* was detected in Wells SW-1, SW-2, MW-4A, MW-6 and MW-7 at concentration of 580 µg/L, 630 µg/L, 590 µg/L, 520 µg/L, and 540 µg/L, respectively. (Note: Table 3 has been updated to include fluoride results dating back to when sampling was reinitiated in January 2006.)
- *Nitrite as (N), perchlorate and total sulfides* were not detected at or above the detection limits.

7.5 Volatile Organic Compounds in Soil Vapor

The highest concentration of PCE was detected in the soil vapor sample from SVP-10-200 (200 feet bgs) at a concentration of 330 µg/L. The highest concentration of TCE was detected in the soil vapor sample from SVP-11-200 at a concentration of 140 µg/L. The highest concentration of 1,1-DCE was detected in the soil vapor sample collected from SVP-10-200 at a concentration of 420 µg/L. Cis-1,2-DCE was only detected above the

reporting limit in one soil vapor sample (SVP-8-150) at a concentration of 1.2 µg/L. Since California Human Health Screening Levels (CHHSL) values are based on vapor intrusion and thus are not relevant to deep soil vapor samples, the soil vapor results from this investigation were not compared to any screening levels.

Soil vapor analytical results are summarized in Table 6. Complete analytical reports and Chain-of-Custody documentation are included in Appendix C.

7.6 Quality Control Samples

Trip blanks accompanied groundwater samples on each day of the sampling event. Trip blanks were analyzed for VOCs and 1,2,3-TCP by EPA Method 8260 and EPA Method SRL 542M-TCP, respectively. No target analytes were detected in the trip blank samples.

A rinsate sample (Rinsate-1) was obtained after sampling and decontamination at MW-4A and prior to sampling at MW-7. The rinsate sample was submitted for analysis of dioxins/furans (Method DLM02.0) to assess the potential of cross-contamination due to field procedures, or insufficient decontamination of sampling apparatus. No dioxins/furans analytes were detected in Rinsate-1.

The internal QA/QC review of the analytical data indicated that all data results met QA/QC guidelines. Appendix D presents Burns & McDonnell's QA/QC Review of Analytical Data.

8.0 SUMMARY AND CONCLUSIONS

Groundwater monitoring in the Second Quarter 2007 represents the sixth monitoring event since December of 2004. Groundwater elevation rose by an average of 1.17 feet across the Site since the last monitoring event (First Quarter 2007) and an average of 5.83 foot increase since Second Quarter 2006. Groundwater flow continued to the south with a gradient (0.009 ft/ft).

8.1 Title 22/CAM 17 Metals

With the exception of iron, manganese, dissolved manganese, total chromium and hexavalent chromium, the remaining Title 22/CAM 17 metals do not exceed California MCLs in the groundwater samples collected. Detectable concentrations of iron ranged from <40 µg/L to 2,300 µg/L, with Wells SW-1, SW-3, MW-4A, SW-5, MW-6 and MW-7 exceeding the California MCL of 300 µg/L. The concentrations of iron decreased in five of the seven samples from the last quarterly monitoring event.

Detectable concentrations of manganese ranged from <20 µg/L to 280 µg/L, with Wells SW-3, MW-6 and MW-7 exceeding the California MCL of 50 µg/L. Dissolved manganese in Well MW-7 exceeded its corresponding California MCL of 50 µg/L, with a concentration of 180 µg/L. The concentrations of manganese decreased in five of the seven samples from the last quarterly monitoring event. The concentrations of dissolved manganese decreased in five of the seven samples from the last quarterly monitoring event, with two sample results (one at <20 µg/L and one at 180 µg/L) equal to the last quarterly monitoring event.

Total chromium concentrations exceeded the California MCL of 50 µg/L in samples from only two wells: SW-1 and SW-3 (78 and 700 µg/L, respectively). Total chromium decreased in three of the groundwater wells since the last quarterly monitoring event, with sample results from Wells SW-3, MW-4A, and MW-7 slightly higher, but within 10% of previous concentrations. For hexavalent chromium, only the sample from SW-3 exceeded the California MCL of 50 µg/L during this monitoring event, with a concentration of 110 µg/L.

Trace concentrations of various metals were detected in the seven Site wells however, none exceeded their corresponding California MCL.

8.2 Emerging Chemicals

Evaluation of emerging chemicals determined that 1,4-dioxane was detected in Wells SW-3 and MW-7, neither exceeded the California MCL of 6.1 µg/L.

Previously, NDMA was detected for the first time in Well SW-2 (upgradient at the property edge) during the July 2006 sampling event and in Well MW-7 during the February 2007 sampling event. NDMA was not detected in any of the monitoring wells this sampling event.

Perchlorate was not detected at or above the method reporting limit of 4.0 µg/L in any of the groundwater samples analyzed during this event.

Dioxins/furans were detected as Total 2,3,7,8-TCDD equivalent in Well SW-3 at a concentration of 0.013 pg/L, which is well below the MCL of 30 pg/L. Dioxin/furans analytes were not detected in any of the remaining wells

8.3 Volatile Organic Compounds

VOC distribution and concentrations are generally similar to the last quarterly monitoring event, with California MCL exceedances for seven compounds: PCE; TCE; 1,1-DCA; 1,2-DCA; 1,1-DCE; cis-1,2-DCE; and chloroform.

PCE distribution is primarily in the southern portion of the Site, with PCE concentrations exceeded the California MCLs in Wells SW-3, SW-5 and MW-7. The center of the highest PCE concentration has shifted slightly westward, with an increase in concentration in the sample from Well MW-7 (rising from 20 to 120 µg/L, between this and the last quarterly monitoring event).

The distribution of TCE across the Site falls within the same five monitoring wells as in past monitoring events, with Well MW-4A having the highest TCE concentration and concentrations decreasing toward the north, west and southwest. However, the concentration in the sample from Well MW-4A was less than half of the result from the previous event (from 1,300µg/L to 500 µg/L, respectively).

Concentrations of 1,1-DCE were detected above the corresponding MCL (6 μ g/L) in Wells SW-3, MW-4A, SW-5, MW-6, and MW-7, with concentrations of 1,1-DCE decreasing in Wells SW-3, MW-4A, and MW-6.

Concentrations of benzene, toluene, ethylbenzene and total xylenes were not detected during this sampling event.

8.4 Inorganic Compounds, Anions, Sulfates, Dissolved Oxygen

The sample from SW-3 continues to show results that slightly exceed the USEPA MCL of 10,000 μ g/L for nitrate. Samples from the remaining wells exhibit results similar to previous monitoring events.

Nitrite as (N), sulfate and chloride were detected at concentrations that do not exceed California MCLs.

8.5 Soil Vapor

In general, VOCs detected in soil vapor samples continued to indicate that concentrations increased with depth across the Site, with the highest concentrations of VOCs detected in samples from 150' and 200' bgs. In comparison to the previous monitoring event, soil vapor analytical results were very similar. However, the results for SVP-8 at 200' bgs were approximately half the concentrations detected during this event as compared to the last event.

The next quarterly monitoring event is scheduled for July 2007.

TABLES

Table I
Chemical Abbreviations

Ag	Silver
Al	Aluminum
As	Arsenic
Ba	Barium
Be	Beryllium
Ca	Calcium
Cd	Cadmium
Co	Cobalt
Cr	Chromium (total)
Cr 6 ⁺	Hexavalent Chromium
Cu	Copper
Fe	Iron
K	Potassium
Mg	Magnesium
Mn	Manganese
Mo	Molybdenum
Na	Sodium
Ni	Nickel
Pb	Lead
Sb	Antimony
Se	Selenium
Tl	Thallium
V	Vanadium
Zn	Zinc
Hg	Mercury
Fe dissolved	Dissolved Iron
Mn dissolved	Dissolved Manganese
PCE	Tetrachloroethene
TCE	Trichloroethene
1,1,1-TCA	1,1,1-trichloroethane
1,1,2-TCA	1,1,2- trichloroethane
1,1-DCA	1,1-Dichlorethane
1,2-DCA	1,2 Dichloroethane
1,1-DCE	1,1-Dichloroethene
1,2-DCE	1,2-Dichloroethene
Cis-1,2-DCE	Cis-1,2-Dichloroethene
Trans-1,2-DCE	Trans-1,2-Dichloroethene
Freon-113	1,1,2-Trichlorotrifluoroethane
1,2,3-TCP	1,2,3-Trichloropropane
VC	Vinyl Chloride
MC	Methylene Chloride
DBCM	Dibromochloromethane
BDCM	Bromodichloromethane
NDMA	N-Nitrosodimethylamine

Table ii
Laboratory Qualifiers

A-01	Batch had acceptable BS recoveries. Internal Standard for BSD was most likely double-spiked which made NDMA recovery appear to be low. BSD recovery seemed to be isolated incident and should not affect sample results.
B	<p>Estimated result:</p> <p>Analyte detected in Method Blank.</p> <p>Result is less than reporting limit.</p>
B-1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
ER	Samples collected as per schedule, however, due to laboratory error there are no analytical results.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
G	Elevated reporting limit. The reporting limit is elevated due to matrix interference.
J/J*	<p>Estimated result due to:</p> <p>Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).</p> <p>Analyte concentration is below calibration range</p> <p>Samples run outside of holding time.</p> <p>Potential bias due to low RECs.</p> <p>Elevated surrogate recovery indicates potential high bias.</p> <p>Low surrogate recovery indicates potential low bias.</p>
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
NA	Analyte not analyzed.
NL	Analyte not listed on Certified Analytical Report.
R	The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
RL-1	reporting limit raised due to sample matrix effects.
RL-4	Reporting limit raised due to insufficient sample volume.
U	<p>False positive and qualified as undetected due to:</p> <p>Blank contamination.</p> <p>Result below detection limit.</p>
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Table 1A
Groundwater Well Construction Details

Former Weber Aircraft Facility
Burbank, CA

Well Identification	Installed	Total Depth	Screen Interval	Blank Casing Interval	Top of Casing Elevation	Ground Surface Elevation	Survey Date
		(ft. bgs)	(ft. bgs)	(ft. bgs)	(ft.msl)	(ft.msl)	
SW-1	March-91	262	207-262	237-242	711.80	712.66	Mar-06
SW-2	March-91	245	190-245	220-225	702.14	702.40	Mar-06
SW-3	March-91	255	200-255	230-235	697.69	698.32	Mar-06
SW-4 ¹	March-91	248	193-248	223-228	692.66	693.03	Mar-06
MW-4A	January-07	270	210-270	--	693.92	693.92	Mar-07
SW-5	March-91	258	196-258	226-229	693.03	693.15	Mar-06
MW-6	November-07	260	200-260	--	699.09	699.09	Mar-07
MW-7	December-07	272	212-272	--	698.39	698.39	Mar-07

Notes:

- 1 SW-4 properly abandoned in January 2007
- ft. bgs Feet below ground surface
- ft. msl Elevation, in feet, relative to mean sea level

Survey Information:

- SW-1 - SW-5 Survey by Boynton Surveyors (August through September 1990, and January 1991).
- SW-1 - SW-5 Resurveyed on March 21 by Guida Surveying Inc.
- SW-5 SW-5 was sheared off at the ground surface and repaired and resurveyed on March 21, 2006.
- MW-4A, MW-6, MW-7 Surveyed by FJS Landconsulting, March 2007
- MW-4A, MW-6, MW-7 Ground surface elevation not measured by surveyors, Top of Casing used.

TABLE 1B
CUMULATIVE GROUNDWATER ELEVATIONS DATA
Former Weber Aircraft Facility
Burbank, California

Well Identification	Date of Measurement	Screened Interval (ft. bgs)	Blank Casing Interval	Depth to Water Below TOC (ft.)	Top of Casing Elevation (ft.msl)	Ground Surface Elevation (ft.msl)	Groundwater Elevation (ft.msl)
SW-1	3/19/91	207-262	237-242	224.05	711.97	712.70	487.92
	4/15/91	207-262	237-242	223.70	711.97	712.70	488.27
	5/10/91	207-262	237-242	223.95	711.97	712.70	488.02
	6/14/91	207-262	237-242	224.40	711.97	712.70	487.57
	7/15/91	207-262	237-242	224.86	711.97	712.70	487.11
	8/15/91	207-262	237-242	225.45	711.97	712.70	486.52
	9/17/91	207-262	237-242	225.88	711.97	712.70	486.09
	11/18/91	207-262	237-242	227.02	711.97	712.70	484.95
	12/12/91	207-262	237-242	227.60	711.97	712.70	484.37
	1/17/92	207-262	237-242	227.57	711.97	712.70	484.40
	4/14/92	207-262	237-242	228.34	711.97	712.70	483.63
	5/15/92	207-262	237-242	228.27	711.97	712.70	483.70
	6/16/92	207-262	237-242	228.52	711.97	712.70	483.45
	7/8/92	207-262	237-242	228.86	711.97	712.70	483.11
	8/19/92	207-262	237-242	228.43	711.97	712.70	483.54
	9/17/92	207-262	237-242	228.63	711.97	712.70	483.34
	10/27/92	207-262	237-242	229.10	711.97	712.70	482.87
	11/19/92	207-262	237-242	229.01	711.97	712.70	482.96
	12/18/92	207-262	237-242	228.78	711.97	712.70	483.19
	1/15/93	207-262	237-242	228.75	711.97	712.70	483.22
	2/19/93	207-262	237-242	228.02	711.97	712.70	483.95
	3/10/93	207-262	237-242	227.86	711.97	712.70	484.11
	4/14/93	207-262	237-242	226.80	711.97	712.70	485.17
	5/18/93	207-262	237-242	225.31	711.97	712.70	486.66
	6/15/93	207-262	237-242	223.70	711.97	712.70	488.27
	7/14/93	207-262	237-242	222.04	711.97	712.70	489.93
	8/24/93	207-262	237-242	219.44	711.97	712.70	492.53
	9/14/93	207-262	237-242	218.74	711.97	712.70	493.23
	10/25/93	207-262	237-242	216.74	711.97	712.70	495.23
	11/15/93	207-262	237-242	215.89	711.97	712.70	496.08
	12/20/93	207-262	237-242	213.95	711.97	712.70	498.02
	1/8/94	207-262	237-242	212.68	711.97	712.70	499.29
	2/27/94	207-262	237-242	210.48	711.97	712.70	501.49
	3/16/94	207-262	237-242	209.57	711.97	712.70	502.40
	4/27/94	207-262	237-242	208.02	711.97	712.70	503.95
	5/19/94	207-262	237-242	207.18	711.97	712.70	504.79
	6/16/94	207-262	237-242	205.96	711.97	712.70	506.01
	7/20/94	207-262	237-242	204.85	711.97	712.70	507.12
	8/30/94	207-262	237-242	204.03	711.97	712.70	507.94
	9/15/94	207-262	237-242	203.60	711.97	712.70	508.37
	10/17/94	207-262	237-242	203.82	711.97	712.70	508.15
	11/14/94	207-262	237-242	204.02	711.97	712.70	507.95
	12/21/94	207-262	237-242	204.27	711.97	712.70	507.70
	1/26/95	207-262	237-242	204.65	711.97	712.70	507.32
	2/23/95	207-262	237-242	204.89	711.97	712.70	507.08
	4/19/95	207-262	237-242	205.24	711.97	712.70	506.73
	5/11/95	207-262	237-242	205.30	711.97	712.70	506.67
	6/17/95	207-262	237-242	204.85	711.97	712.70	507.12
	7/10/95	207-262	237-242	204.29	711.97	712.70	507.68
	8/24/95	207-262	237-242	203.11	711.97	712.70	508.86
	9/12/95	207-262	237-242	203.25	711.97	712.70	508.72
	10/11/95	207-262	237-242	202.69	711.97	712.70	509.28
	11/17/95	207-262	237-242	201.95	711.97	712.70	510.02
	1/3/96	207-262	237-242	200.90	711.97	712.70	511.07
	1/29/96	207-262	237-242	200.48	711.97	712.70	511.49
	2/22/96	207-262	237-242	200.72	711.97	712.70	511.25
	4/23/96	207-262	237-242	200.51	711.97	712.70	511.46
	5/22/96	207-262	237-242	200.86	711.97	712.70	511.11
	6/18/96	207-262	237-242	201.33	711.97	712.70	510.64
	7/21/96	207-262	237-242	202.09	711.97	712.70	509.88
	8/18/96	207-262	237-242	202.80	711.97	712.70	509.17
	9/25/96	207-262	237-242	203.67	711.97	712.70	508.30
	10/25/96	207-262	237-242	204.27	711.97	712.70	507.70
	1/26/96	207-262	237-242	204.83	711.97	712.70	507.14
	12/29/96	207-262	237-242	205.76	711.97	712.70	506.21

TABLE 1B
CUMULATIVE GROUNDWATER ELEVATIONS DATA
Former Weber Aircraft Facility
Burbank, California

Well Identification	Date of Measurement	Screened Interval (ft. bgs)	Blank Casing Interval	Depth to Water Below TOC (ft.)	Top of Casing Elevation (ft.msl)	Ground Surface Elevation (ft.msl)	Groundwater Elevation (ft.msl)
SW-1	1/30/97	207-262	237-242	206.70	711.97	712.70	505.27
(cont'd)	2/25/97	207-262	237-242	207.27	711.97	712.70	504.70
	3/31/97	207-262	237-242	208.15	711.97	712.70	503.82
	4/24/97	207-262	237-242	208.47	711.97	712.70	503.50
	5/30/97	207-262	237-242	209.67	711.97	712.70	502.30
	6/24/97	207-262	237-242	210.53	711.97	712.70	501.44
	6/15/97	207-262	237-242	211.24	711.97	712.70	500.73
	8/29/97	207-262	237-242	213.11	711.97	712.70	498.86
	9/26/97	207-262	237-242	214.46	711.97	712.70	497.51
	10/23/97	207-262	237-242	215.25	711.97	712.70	496.72
	11/11/97	207-262	237-242	215.70	711.97	712.70	496.27
	10/12/97	207-262	237-242	217.09	711.97	712.70	494.88
	1/28/98	207-262	237-242	216.99	711.97	712.70	494.98
	2/3/98	207-262	237-242	216.61	711.97	712.70	495.36
	4/28/98	207-262	237-242	216.97	711.97	712.70	495.00
	5/29/98	207-262	237-242	216.64	711.97	712.70	495.33
	6/12/98	207-262	237-242	216.35	711.97	712.70	495.62
	7/30/98	207-262	237-242	215.11	711.97	712.70	496.86
	9/4/98	207-262	237-242	214.57	711.97	712.70	497.40
	10/9/98	207-262	237-242	213.56	711.97	712.70	498.41
	11/25/98	207-262	237-242	213.55	711.97	712.70	498.42
	10/21/98	207-262	237-242	212.61	711.97	712.70	499.36
	1/21/99	207-262	237-242	212.60	711.97	712.70	499.37
	2/11/99	207-262	237-242	212.48	711.97	712.70	499.49
	3/12/99	207-262	237-242	212.27	711.97	712.70	499.70
	4/8/99	207-262	237-242	212.77	711.97	712.70	499.20
	5/20/99	207-262	237-242	212.79	711.97	712.70	499.18
	6/10/99	207-262	237-242	212.78	711.97	712.70	499.19
	7/28/99	207-262	237-242	217.40	711.97	712.70	494.57
	8/17/99	207-262	237-242	214.38	711.97	712.70	497.59
	9/16/99	207-262	237-242	218.90	711.97	712.70	493.07
	10/15/99	207-262	237-242	220.41	711.97	712.70	491.56
	11/12/99	207-262	237-242	221.38	711.97	712.70	490.59
	12/10/99	207-262	237-242	221.79	711.97	712.70	490.18
	1/28/00	207-262	237-242	226.21	711.97	712.70	485.76
	12/20/02	207-262	237-242	237.50	711.97	712.70	474.47
	12/21/04	207-262	237-242	246.15	711.97	712.70	465.82
	1/12/06	207-262	237-242	232.59	711.80	712.66	479.21
	4/26/06	207-262	237-243	229.49	711.80	712.66	482.31
	7/18/06	207-262	237-243	228.19	711.80	712.66	483.61
	10/17/06	207-262	237-243	227.35	711.80	712.66	484.45
	1/17/07	207-262	237-243	226.86	711.80	712.66	484.94
	2/20/07	207-262	237-243	226.76	711.80	712.66	485.04
	5/14/07	207-262	237-243	226.22	711.80	712.66	485.58
SW-2	3/19/91	190-245	220-225	224.05	702.49	702.43	478.44
	4/15/91	190-245	220-225	223.70	702.49	702.43	478.79
	5/10/91	190-245	220-225	223.95	702.49	702.43	478.54
	6/14/91	190-245	220-225	224.40	702.49	702.43	478.09
	7/15/91	190-245	220-225	224.86	702.49	702.43	477.63
	8/15/91	190-245	220-225	225.45	702.49	702.43	477.04
	9/17/91	190-245	220-225	225.88	702.49	702.43	476.61
	11/18/91	190-245	220-225	227.02	702.49	702.43	475.47
	12/12/91	190-245	220-225	227.60	702.49	702.43	474.89
	1/17/92	190-245	220-225	227.57	702.49	702.43	474.92
	4/14/92	190-245	220-225	228.34	702.49	702.43	474.15
	5/15/92	190-245	220-225	228.27	702.49	702.43	474.22
	6/16/92	190-245	220-225	228.52	702.49	702.43	473.97
	7/8/92	190-245	220-225	228.86	702.49	702.43	473.63
	8/19/92	190-245	220-225	228.43	702.49	702.43	474.06
	9/17/92	190-245	220-225	228.63	702.49	702.43	473.86
	10/27/92	190-245	220-225	229.10	702.49	702.43	473.39
	11/19/92	190-245	220-225	229.01	702.49	702.43	473.48
	12/18/92	190-245	220-225	228.78	702.49	702.43	473.71
	1/15/93	190-245	220-225	228.75	702.49	702.43	473.74

TABLE 1B
CUMULATIVE GROUNDWATER ELEVATIONS DATA
Former Weber Aircraft Facility
Burbank, California

Well Identification	Date of Measurement	Screened Interval (ft. bgs)	Blank Casing Interval	Depth to Water Below TOC (ft.)	Top of Casing Elevation (ft.msl)	Ground Surface Elevation (ft.msl)	Groundwater Elevation (ft.msl)
SW-2 (cont'd)	2/19/93	190-245	220-225	228.02	702.49	702.43	474.47
	3/10/93	190-245	220-225	227.86	702.49	702.43	474.63
	4/14/93	190-245	220-225	226.80	702.49	702.43	475.69
	5/18/93	190-245	220-225	225.31	702.49	702.43	477.18
	6/15/93	190-245	220-225	223.70	702.49	702.43	478.79
	7/14/93	190-245	220-225	222.04	702.49	702.43	480.45
	8/24/93	190-245	220-225	219.44	702.49	702.43	483.05
	9/14/93	190-245	220-225	218.74	702.49	702.43	483.75
	10/25/93	190-245	220-225	216.74	702.49	702.43	485.75
	11/15/93	190-245	220-225	215.89	702.49	702.43	486.60
	12/20/93	190-245	220-225	213.95	702.49	702.43	488.54
	1/8/94	190-245	220-225	212.68	702.49	702.43	489.81
	2/27/94	190-245	220-225	210.48	702.49	702.43	492.01
	3/16/94	190-245	220-225	209.57	702.49	702.43	492.92
	4/27/94	190-245	220-225	208.02	702.49	702.43	494.47
	5/19/94	190-245	220-225	207.18	702.49	702.43	495.31
	6/16/94	190-245	220-225	205.96	702.49	702.43	496.53
	7/20/94	190-245	220-225	204.85	702.49	702.43	497.64
	8/30/94	190-245	220-225	204.03	702.49	702.43	498.46
	9/15/94	190-245	220-225	203.60	702.49	702.43	498.89
	10/17/94	190-245	220-225	203.82	702.49	702.43	498.67
	11/14/94	190-245	220-225	204.02	702.49	702.43	498.47
	12/21/94	190-245	220-225	204.27	702.49	702.43	498.22
	1/26/95	190-245	220-225	204.65	702.49	702.43	497.84
	2/23/95	190-245	220-225	204.89	702.49	702.43	497.60
	4/19/95	190-245	220-225	205.24	702.49	702.43	497.25
	5/11/95	190-245	220-225	205.30	702.49	702.43	497.19
	6/17/95	190-245	220-225	204.85	702.49	702.43	497.64
	7/10/95	190-245	220-225	204.29	702.49	702.43	498.20
	8/24/95	190-245	220-225	203.11	702.49	702.43	499.38
	9/12/95	190-245	220-225	203.25	702.49	702.43	499.24
	10/11/95	190-245	220-225	202.69	702.49	702.43	499.80
	11/17/95	190-245	220-225	201.95	702.49	702.43	500.54
	1/3/96	190-245	220-225	200.90	702.49	702.43	501.59
	1/29/96	190-245	220-225	200.48	702.49	702.43	502.01
	2/22/96	190-245	220-225	200.72	702.49	702.43	501.77
	4/23/96	190-245	220-225	200.51	702.49	702.43	501.98
	5/22/96	190-245	220-225	200.86	702.49	702.43	501.63
	6/18/96	190-245	220-225	201.33	702.49	702.43	501.16
	7/21/96	190-245	220-225	202.09	702.49	702.43	500.40
	8/18/96	190-245	220-225	202.80	702.49	702.43	499.69
	9/25/96	190-245	220-225	203.67	702.49	702.43	498.82
	10/25/96	190-245	220-225	204.27	702.49	702.43	498.22
	1/26/96	190-245	220-225	204.83	702.49	702.43	497.66
	12/29/96	190-245	220-225	205.76	702.49	702.43	496.73
	1/30/97	190-245	220-225	206.70	702.49	702.43	495.79
	2/25/97	190-245	220-225	207.27	702.49	702.43	495.22
	3/31/97	190-245	220-225	208.15	702.49	702.43	494.34
	4/24/97	190-245	220-225	208.47	702.49	702.43	494.02
	5/30/97	190-245	220-225	209.67	702.49	702.43	492.82
	6/24/97	190-245	220-225	210.53	702.49	702.43	491.96
	6/15/97	190-245	220-225	211.24	702.49	702.43	491.25
	8/29/97	190-245	220-225	213.11	702.49	702.43	489.38
	9/26/97	190-245	220-225	214.46	702.49	702.43	488.03
	10/23/97	190-245	220-225	215.25	702.49	702.43	487.24
	11/11/97	190-245	220-225	207.41	702.49	702.43	495.08
	10/12/97	190-245	220-225	208.57	702.49	702.43	493.92
	1/28/98	190-245	220-225	208.59	702.49	702.43	493.90
	2/3/98	190-245	220-225	208.18	702.49	702.43	494.31
	4/28/98	190-245	220-225	208.28	702.49	702.43	494.21
	5/29/98	190-245	220-225	207.96	702.49	702.43	494.53
	6/12/98	190-245	220-225	207.65	702.49	702.43	494.84
	7/30/98	190-245	220-225	206.43	702.49	702.43	496.06
	9/4/98	190-245	220-225	205.97	702.49	702.43	496.52
	10/9/98	190-245	220-225	205.02	702.49	702.43	497.47

TABLE 1B
CUMULATIVE GROUNDWATER ELEVATIONS DATA
Former Weber Aircraft Facility
Burbank, California

Well Identification	Date of Measurement	Screened Interval (ft. bgs)	Blank Casing Interval	Depth to Water Below TOC (ft.)	Top of Casing Elevation (ft.msl)	Ground Surface Elevation (ft.msl)	Groundwater Elevation (ft.msl)
SW-2	11/25/98	190-245	220-225	205.10	702.49	702.43	497.39
(cont'd)	10/21/98	190-245	220-225	203.72	702.49	702.43	498.77
	1/20/99	190-245	220-225	203.14	702.49	702.43	499.35
	2/11/99	190-245	220-225	204.69	702.49	702.43	497.80
	3/12/99	190-245	220-225	203.59	702.49	702.43	498.90
	4/8/99	190-245	220-225	204.19	702.49	702.43	498.30
	5/20/99	190-245	220-225	204.37	702.49	702.43	498.12
	6/10/99	190-245	220-225	204.35	702.49	702.43	498.14
	7/27/99	190-245	220-225	208.00	702.49	702.43	494.49
	8/17/99	190-245	220-225	205.15	702.49	702.43	497.34
	9/16/99	190-245	220-225	210.79	702.49	702.43	491.70
	10/15/99	190-245	220-225	212.10	702.49	702.43	490.39
	11/12/99	190-245	220-225	215.00	702.49	702.43	487.49
	12/10/99	190-245	220-225	215.69	702.49	702.43	486.80
	1/27/00	190-245	220-225	217.98	702.49	702.43	484.51
	12/20/02	190-245	220-225	229.88	702.49	702.43	472.61
	12/20/04	190-245	220-225	240.00	702.49	702.43	462.49
	1/12/06	190-245	220-225	227.46	702.14	702.40	474.68
	4/26/06	190-245	220-225	224.15	702.14	702.40	477.99
	7/18/06	190-245	220-225	222.05	702.14	702.40	480.09
	10/17/06	190-245	220-225	221.42	702.14	702.40	480.72
	1/17/07	190-245	220-225	220.40	702.14	702.40	481.74
	2/20/07	190-245	220-225	219.50	702.14	702.40	482.64
	5/14/07	190-245	220-225	219.01	702.14	702.40	483.13
SW-3	3/19/91	200-255	230-235	214.45	697.39	698.28	482.94
	4/15/91	200-255	230-235	214.23	697.39	698.28	483.16
	5/10/91	200-255	230-235	214.25	697.39	698.28	483.14
	6/14/91	200-255	230-235	214.55	697.39	698.28	482.84
	7/15/91	200-255	230-235	215.00	697.39	698.28	482.39
	8/15/91	200-255	230-235	215.58	697.39	698.28	481.81
	9/17/91	200-255	230-235	216.03	697.39	698.28	481.36
	11/18/91	200-255	230-235	217.37	697.39	698.28	480.02
	12/12/91	200-255	230-235	218.06	697.39	698.28	479.33
	1/17/92	200-255	230-235	218.52	697.39	698.28	478.87
	4/14/92	200-255	230-235	219.13	697.39	698.28	478.26
	5/15/92	200-255	230-235	219.10	697.39	698.28	478.29
	6/16/92	200-255	230-235	219.40	697.39	698.28	477.99
	7/8/92	200-255	230-235	219.73	697.39	698.28	477.66
	8/19/92	200-255	230-235	219.64	697.39	698.28	477.75
	9/17/92	200-255	230-235	219.79	697.39	698.28	477.60
	10/27/92	200-255	230-235	220.36	697.39	698.28	477.03
	11/19/92	200-255	230-235	220.27	697.39	698.28	477.12
	12/18/92	200-255	230-235	220.34	697.39	698.28	477.05
	1/15/93	200-255	230-235	220.42	697.39	698.28	476.97
	2/19/93	200-255	230-235	220.27	697.39	698.28	477.12
	3/10/93	200-255	230-235	220.98	697.39	698.28	476.41
	4/14/93	200-255	230-235	219.27	697.39	698.28	478.12
	5/18/93	200-255	230-235	217.92	697.39	698.28	479.47
	6/15/93	200-255	230-235	216.71	697.39	698.28	480.68
	7/14/93	200-255	230-235	215.65	697.39	698.28	481.74
	8/24/93	200-255	230-235	213.66	697.39	698.28	483.73
	9/14/93	200-255	230-235	212.77	697.39	698.28	484.62
	10/25/93	200-255	230-235	210.52	697.39	698.28	486.87
	11/15/93	200-255	230-235	209.45	697.39	698.28	487.94
	12/20/93	200-255	230-235	207.47	697.39	698.28	489.92
	1/8/94	200-255	230-235	206.24	697.39	698.28	491.15
	2/27/94	200-255	230-235	203.90	697.39	698.28	493.49
	3/16/94	200-255	230-235	202.91	697.39	698.28	494.48
	4/27/94	200-255	230-235	201.08	697.39	698.28	496.31
	5/19/94	200-255	230-235	199.95	697.39	698.28	497.44
	6/16/94	200-255	230-235	198.22	697.39	698.28	499.17
	7/20/94	200-255	230-235	197.35	697.39	698.28	500.04
	8/30/94	200-255	230-235	195.86	697.39	698.28	501.53
	9/15/94	200-255	230-235	195.29	697.39	698.28	502.10

TABLE 1B
CUMULATIVE GROUNDWATER ELEVATIONS DATA
Former Weber Aircraft Facility
Burbank, California

Well Identification	Date of Measurement	Screened Interval (ft. bgs)	Blank Casing Interval	Depth to Water Below TOC (ft.)	Top of Casing Elevation (ft.msl)	Ground Surface Elevation (ft.msl)	Groundwater Elevation (ft.msl)
SW-3	10/17/94	200-255	230-235	195.00	697.39	698.28	502.39
(cont'd)	11/14/94	200-255	230-235	195.06	697.39	698.28	502.33
	12/21/94	200-255	230-235	195.36	697.39	698.28	502.03
	1/26/95	200-255	230-235	195.59	697.39	698.28	501.80
	2/23/95	200-255	230-235	195.59	697.39	698.28	501.80
	4/19/95	200-255	230-235	196.07	697.39	698.28	501.32
	5/11/95	200-255	230-235	196.13	697.39	698.28	501.26
	6/17/95	200-255	230-235	196.00	697.39	698.28	501.39
	7/10/95	200-255	230-235	195.65	697.39	698.28	501.74
	8/24/95	200-255	230-235	194.93	697.39	698.28	502.46
	9/12/95	200-255	230-235	194.63	697.39	698.28	502.76
	10/11/95	200-255	230-235	194.23	697.39	698.28	503.16
	11/17/95	200-255	230-235	193.50	697.39	698.28	503.69
	1/3/96	200-255	230-235	192.00	697.39	698.28	505.39
	1/29/96	200-255	230-235	191.90	697.39	698.28	505.49
	2/22/96	200-255	230-235	192.60	697.39	698.28	504.79
	4/23/96	200-255	230-235	193.12	697.39	698.28	504.27
	5/22/96	200-255	230-235	193.81	697.39	698.28	503.58
	6/18/96	200-255	230-235	194.64	697.39	698.28	502.75
	7/21/96	200-255	230-235	195.66	697.39	698.28	501.73
	8/18/96	200-255	230-235	196.24	697.39	698.28	501.15
	9/25/96	200-255	230-235	196.47	697.39	698.28	500.92
	10/25/96	200-255	230-235	196.63	697.39	698.28	500.76
	1/26/96	200-255	230-235	196.99	697.39	698.28	500.40
	12/29/96	200-255	230-235	197.99	697.39	698.28	499.40
	1/30/97	200-255	230-235	199.15	697.39	698.28	498.24
	2/25/97	200-255	230-235	199.80	697.39	698.28	497.59
	3/31/97	200-255	230-235	201.20	697.39	698.28	496.19
	4/24/97	200-255	230-235	201.74	697.39	698.28	495.65
	5/30/97	200-255	230-235	203.38	697.39	698.28	494.01
	6/24/97	200-255	230-235	204.07	697.39	698.28	493.32
	6/15/97	200-255	230-235	205.00	697.39	698.28	492.39
	8/29/97	200-255	230-235	207.12	697.39	698.28	490.27
	9/26/97	200-255	230-235	208.41	697.39	698.28	488.98
	10/23/97	200-255	230-235	209.42	697.39	698.28	487.97
	11/11/97	200-255	230-235	210.22	697.39	698.28	487.17
	10/12/97	200-255	230-235	210.88	697.39	698.28	486.51
	1/28/98	200-255	230-235	210.05	697.39	698.28	487.34
	2/3/98	200-255	230-235	209.83	697.39	698.28	487.56
	4/28/98	200-255	230-235	208.62	697.39	698.28	488.77
	5/29/98	200-255	230-235	208.24	697.39	698.28	489.15
	6/12/98	200-255	230-235	207.97	697.39	698.28	489.42
	7/30/98	200-255	230-235	206.86	697.39	698.28	490.53
	9/4/98	200-255	230-235	206.46	697.39	698.28	490.93
	10/9/98	200-255	230-235	205.40	697.39	698.28	491.99
	11/25/98	200-255	230-235	205.39	697.39	698.28	492.00
	10/21/98	200-255	230-235	203.99	697.39	698.28	493.40
	1/20/99	200-255	230-235	204.29	697.39	698.28	493.10
	2/11/99	200-255	230-235	204.86	697.39	698.28	492.53
	3/12/99	200-255	230-235	205.20	697.39	698.28	492.19
	4/8/99	200-255	230-235	205.76	697.39	698.28	491.63
	5/20/99	200-255	230-235	205.80	697.39	698.28	491.59
	6/10/99	200-255	230-235	205.78	697.39	698.28	491.61
	7/27/99	200-255	230-235	211.00	697.39	698.28	486.39
	8/17/99	200-255	230-235	210.58	697.39	698.28	486.81
	9/16/99	200-255	230-235	214.10	697.39	698.28	483.29
	10/15/99	200-255	230-235	216.00	697.39	698.28	481.39
	11/12/99	200-255	230-235	217.93	697.39	698.28	479.46
	12/10/99	200-255	230-235	217.83	697.39	698.28	479.56
	1/27/00	200-255	230-235	222.65	697.39	698.28	474.74
	12/20/02	200-255	230-235	below packer	697.39	698.28	NA
	12/21/04	200-255	230-235	244.51	697.39	698.28	452.88
	1/12/06	200-255	230-235	233.95	697.69	698.32	463.74
	4/26/06	200-255	230-235	229.90	697.69	698.32	467.79
	7/18/06	200-255	230-235	228.16	697.69	698.32	469.53

TABLE 1B
CUMULATIVE GROUNDWATER ELEVATIONS DATA
Former Weber Aircraft Facility
Burbank, California

Well Identification	Date of Measurement	Screened Interval (ft. bgs)	Blank Casing Interval	Depth to Water Below TOC (ft.)	Top of Casing Elevation (ft.msl)	Ground Surface Elevation (ft.msl)	Groundwater Elevation (ft.msl)
SW-3 (cont'd)	10/17/06	200-255	230-235	228.15	697.69	698.32	469.54
	1/17/07	200-255	230-235	221.13	697.69	698.32	476.56
	2/20/07	200-255	230-235	224.37	697.69	698.32	473.32
	5/14/07	200-255	230-235	223.51	697.69	698.32	474.18
SW-4	3/19/91	193-248	223-228	209.10	691.65	NA	482.55
	4/15/91	193-248	223-228	208.80	691.65	NA	482.85
	5/10/91	193-248	223-228	208.75	691.65	NA	482.90
	6/14/91	193-248	223-228	209.03	691.65	NA	482.62
	7/15/91	193-248	223-228	209.45	691.65	NA	482.20
	8/15/91	193-248	223-228	209.90	691.65	NA	481.75
	9/17/91	193-248	223-228	210.28	691.65	NA	481.37
	11/18/91	193-248	223-228	211.65	691.65	NA	480.00
	12/12/91	193-248	223-228	212.32	691.65	NA	479.33
	1/17/92	193-248	223-228	212.90	691.65	NA	478.75
	4/14/92	193-248	223-228	213.59	691.65	NA	478.06
	5/15/92	193-248	223-228	213.55	691.65	NA	478.10
	6/16/92	193-248	223-228	213.85	691.65	NA	477.80
	7/8/92	193-248	223-228	214.26	691.65	NA	477.39
	8/19/92	193-248	223-228	214.10	691.65	NA	477.55
	9/17/92	193-248	223-228	214.21	691.65	NA	477.44
	10/27/92	193-248	223-228	214.71	691.65	NA	476.94
	11/19/92	193-248	223-228	214.70	691.65	NA	476.95
	12/18/92	193-248	223-228	214.77	691.65	NA	476.88
	1/15/93	193-248	223-228	214.97	691.65	NA	476.68
	2/19/93	193-248	223-228	214.74	691.65	NA	476.91
	3/10/93	193-248	223-228	214.63	691.65	NA	477.02
	4/14/93	193-248	223-228	213.99	691.65	NA	477.66
	5/18/93	193-248	223-228	213.52	691.65	NA	478.13
	6/15/93	193-248	223-228	211.92	691.65	NA	479.73
	7/14/93	193-248	223-228	210.83	691.65	NA	480.82
	8/24/93	193-248	223-228	209.00	691.65	NA	482.65
	9/14/93	193-248	223-228	208.25	691.65	NA	483.40
	10/25/93	193-248	223-228	205.81	691.65	NA	485.84
	11/15/93	193-248	223-228	204.75	691.65	NA	486.90
	12/20/93	193-248	223-228	202.90	691.65	NA	488.75
	1/8/94	193-248	223-228	201.54	691.65	NA	490.11
	2/27/94	193-248	223-228	199.19	691.65	NA	492.46
	3/16/94	193-248	223-228	198.24	691.65	NA	493.41
	4/27/94	193-248	223-228	196.32	691.65	NA	495.33
	5/19/94	193-248	223-228	195.13	691.65	NA	496.52
	6/16/94	193-248	223-228	193.82	691.65	NA	497.83
	7/20/94	193-248	223-228	192.30	691.65	NA	499.35
	8/30/94	193-248	223-228	191.10	691.65	NA	500.55
	9/15/94	193-248	223-228	190.32	691.65	NA	501.33
	10/17/94	193-248	223-228	190.00	691.65	NA	501.65
	11/14/94	193-248	223-228	190.00	691.65	NA	501.65
	12/21/94	193-248	223-228	190.13	691.65	NA	501.52
	1/26/95	193-248	223-228	190.30	691.65	NA	501.35
	2/23/95	193-248	223-228	190.41	691.65	NA	501.24
	4/19/95	193-248	223-228	190.84	691.65	NA	500.81
	5/11/95	193-248	223-228	190.88	691.65	NA	500.77
	6/17/95	193-248	223-228	190.78	691.65	NA	500.87
	7/10/95	193-248	223-228	190.41	691.65	NA	501.24
	8/24/95	193-248	223-228	189.68	691.65	NA	501.97
	9/12/95	193-248	223-228	189.52	691.65	NA	502.13
	10/11/95	193-248	223-228	189.18	691.65	NA	502.47
	11/17/95	193-248	223-228	188.43	691.65	NA	503.22
	1/3/96	193-248	223-228	187.10	691.65	NA	504.55
	1/29/96	193-248	223-228	186.92	691.65	NA	504.73
	2/22/96	193-248	223-228	187.45	691.65	NA	504.20
	4/23/96	193-248	223-228	188.10	691.65	NA	503.55
	5/22/96	193-248	223-228	188.81	691.65	NA	502.84
	6/18/96	193-248	223-228	189.60	691.65	NA	502.05
	7/21/96	193-248	223-228	190.77	691.65	NA	500.88

TABLE 1B
CUMULATIVE GROUNDWATER ELEVATIONS DATA
Former Weber Aircraft Facility
Burbank, California

Well Identification	Date of Measurement	Screened Interval (ft. bgs)	Blank Casing Interval	Depth to Water Below TOC (ft.)	Top of Casing Elevation (ft.msl)	Ground Surface Elevation (ft.msl)	Groundwater Elevation (ft.msl)
SW-4	8/18/96	193-248	223-228	191.35	691.65	NA	500.30
(cont'd)	9/25/96	193-248	223-228	191.61	691.65	NA	500.04
	10/25/96	193-248	223-228	191.59	691.65	NA	500.06
	1/26/96	193-248	223-228	191.90	691.65	NA	499.75
	12/29/96	193-248	223-228	192.88	691.65	NA	498.77
	1/30/97	193-248	223-228	194.00	691.65	NA	497.85
	2/25/97	193-248	223-228	194.80	691.65	NA	496.85
	3/31/97	193-248	223-228	196.00	691.65	NA	495.65
	4/24/97	193-248	223-228	196.75	691.65	NA	494.90
	5/30/97	193-248	223-228	198.20	691.65	NA	493.45
	6/24/97	193-248	223-228	199.03	691.65	NA	492.62
	6/15/97	193-248	223-228	199.81	691.65	NA	491.84
	8/29/97	193-248	223-228	201.85	691.65	NA	489.80
	9/26/97	193-248	223-228	203.11	691.65	NA	488.54
	10/23/97	193-248	223-228	204.13	691.65	NA	487.52
	11/11/97	193-248	223-228	204.89	691.65	NA	486.76
	10/12/97	193-248	223-228	205.67	691.65	NA	485.98
	1/28/98	193-248	223-228	205.08	691.65	NA	486.57
	2/3/98	193-248	223-228	204.41	691.65	NA	487.24
	4/28/98	193-248	223-228	203.38	691.65	NA	488.27
	5/29/98	193-248	223-228	201.95	691.65	NA	489.70
	6/12/98	193-248	223-228	202.70	691.65	NA	488.95
	7/30/98	193-248	223-228	201.65	691.65	NA	490.00
	9/4/98	193-248	223-228	201.12	691.65	NA	490.53
	10/9/98	193-248	223-228	200.11	691.65	NA	491.54
	11/25/98	193-248	223-228	200.10	691.65	NA	491.55
	10/21/98	193-248	223-228	198.71	691.65	NA	492.94
	1/21/99	193-248	223-228	198.98	691.65	NA	492.67
	2/11/99	193-248	223-228	199.53	691.65	NA	492.12
	3/12/99	193-248	223-228	199.80	691.65	NA	491.85
	4/8/99	193-248	223-228	200.45	691.65	NA	491.20
	5/20/99	193-248	223-228	200.52	691.65	NA	491.13
	6/10/99	193-248	223-228	200.50	691.65	NA	491.15
	7/28/99	193-248	223-228	205.65	691.65	NA	486.00
	8/17/99	193-248	223-228	201.31	691.65	NA	490.34
	9/16/99	193-248	223-228	208.37	691.65	NA	483.28
	10/15/99	193-248	223-228	210.18	691.65	NA	481.47
	11/12/99	193-248	223-228	212.00	691.65	NA	479.65
	12/10/99	193-248	223-228	212.31	691.65	NA	479.34
	1/27/00	193-248	223-228	217.06	691.65	NA	474.59
	12/20/02	193-248	223-228	inaccessible	691.65	NA	NA
	12/21/04	193-248	223-228	228.15	691.65	NA	463.50
	1/12/06	193-248	223-228	228.86	692.66	693.03	463.80
	4/26/06	193-249	223-229	225.62	692.66	693.03	467.04
	7/18/06	193-249	223-229	223.80	692.66	693.03	468.86
	10/19/06	193-249	223-229	223.80	692.66	693.03	468.86
Well Properly abandoned January 2007							
MW-4A	1/17/07	210-270	—	219.89	693.92	693.92	474.03
	2/20/07	210-270	—	218.49	693.92	693.92	475.43
	5/14/07	210-270	—	217.56	693.92	693.92	476.36
SW-5	3/19/91	196-258	226-229	209.95	692.45	693.15	482.50
	4/15/91	196-258	226-229	209.60	692.45	693.15	482.85
	5/10/91	196-258	226-229	209.70	692.45	693.15	482.75
	6/14/91	196-258	226-229	210.00	692.45	693.15	482.45
	7/15/91	196-258	226-229	210.40	692.45	693.15	482.05
	8/15/91	196-258	226-229	211.00	692.45	693.15	481.45
	9/17/91	196-258	226-229	211.40	692.45	693.15	481.05
	11/18/91	196-258	226-229	212.82	692.45	693.15	479.63
	12/12/91	196-258	226-229	213.48	692.45	693.15	478.97
	1/17/92	196-258	226-229	213.88	692.45	693.15	478.57
	4/14/92	196-258	226-229	214.54	692.45	693.15	477.91
	5/15/92	196-258	226-229	214.50	692.45	693.15	477.95
	6/16/92	196-258	226-229	214.85	692.45	693.15	477.60
	7/8/92	196-258	226-229	214.86	692.45	693.15	477.59

TABLE 1B
CUMULATIVE GROUNDWATER ELEVATIONS DATA
Former Weber Aircraft Facility
Burbank, California

Well Identification	Date of Measurement	Screened Interval (ft. bgs)	Blank Casing Interval	Depth to Water Below TOC (ft.)	Top of Casing Elevation (ft.msl)	Ground Surface Elevation (ft.msl)	Groundwater Elevation (ft.msl)
SW-5 (cont'd)	8/19/92	196-258	226-229	215.02	692.45	693.15	477.43
	9/17/92	196-258	226-229	215.18	692.45	693.15	477.27
	10/27/92	196-258	226-229	215.75	692.45	693.15	476.70
	11/19/92	196-258	226-229	215.69	692.45	693.15	476.76
	12/18/92	196-258	226-229	215.93	692.45	693.15	476.52
	1/15/93	196-258	226-229	215.94	692.45	693.15	476.51
	2/19/93	196-258	226-229	215.69	692.45	693.15	476.76
	3/10/93	196-258	226-229	215.44	692.45	693.15	477.01
	4/14/93	196-258	226-229	214.77	692.45	693.15	477.68
	5/18/93	196-258	226-229	212.97	692.45	693.15	479.48
	6/15/93	196-258	226-229	212.38	692.45	693.15	480.07
	7/14/93	196-258	226-229	211.34	692.45	693.15	481.11
	8/24/93	196-258	226-229	209.24	692.45	693.15	483.21
	9/14/93	196-258	226-229		692.45	693.15	#VALUE!
	10/25/93	196-258	226-229	205.87	692.45	693.15	486.58
	11/15/93	196-258	226-229	204.91	692.45	693.15	487.54
	12/20/93	196-258	226-229	203.10	692.45	693.15	489.35
	1/8/94	196-258	226-229	201.60	692.45	693.15	490.85
	2/27/94	196-258	226-229	199.49	692.45	693.15	492.96
	3/16/94	196-258	226-229	198.39	692.45	693.15	494.06
	4/27/94	196-258	226-229	196.64	692.45	693.15	495.81
	5/19/94	196-258	226-229	195.44	692.45	693.15	497.01
	6/16/94	196-258	226-229	194.20	692.45	693.15	498.25
	7/20/94	196-258	226-229	192.75	692.45	693.15	499.70
	8/30/94	196-258	226-229	191.37	692.45	693.15	501.08
	9/15/94	196-258	226-229	190.87	692.45	693.15	501.58
	10/17/94	196-258	226-229	190.60	692.45	693.15	501.85
	11/14/94	196-258	226-229	190.90	692.45	693.15	501.55
	12/21/94	196-258	226-229	191.13	692.45	693.15	501.32
	1/26/95	196-258	226-229	191.37	692.45	693.15	501.08
	2/23/95	196-258	226-229	191.35	692.45	693.15	501.10
	4/19/95	196-258	226-229	191.77	692.45	693.15	500.68
	5/11/95	196-258	226-229	191.68	692.45	693.15	500.77
	6/17/95	196-258	226-229	191.60	692.45	693.15	500.85
	7/10/95	196-258	226-229	191.22	692.45	693.15	501.23
	8/24/95	196-258	226-229	190.43	692.45	693.15	502.02
	9/12/95	196-258	226-229	190.20	692.45	693.15	502.25
	10/11/95	196-258	226-229	189.86	692.45	693.15	502.59
	11/17/95	196-258	226-229	189.05	692.45	693.15	503.40
	1/3/96	196-258	226-229	187.69	692.45	693.15	504.76
	1/29/96	196-258	226-229	187.75	692.45	693.15	504.70
	2/22/96	196-258	226-229	188.46	692.45	693.15	503.99
	4/23/96	196-258	226-229	189.21	692.45	693.15	503.24
	5/22/96	196-258	226-229	190.03	692.45	693.15	502.42
	6/18/96	196-258	226-229	190.82	692.45	693.15	501.63
	7/21/96	196-258	226-229	192.03	692.45	693.15	500.42
	8/18/96	196-258	226-229	192.40	692.45	693.15	500.05
	9/25/96	196-258	226-229	192.50	692.45	693.15	499.95
	10/25/96	196-258	226-229	192.49	692.45	693.15	499.96
	1/26/96	196-258	226-229	192.85	692.45	693.15	499.60
	12/29/96	196-258	226-229	194.07	692.45	693.15	498.38
	1/30/97	196-258	226-229	195.10	692.45	693.15	497.35
	2/25/97	196-258	226-229	196.15	692.45	693.15	496.30
	3/31/97	196-258	226-229	197.40	692.45	693.15	495.05
	4/24/97	196-258	226-229	198.14	692.45	693.15	494.31
	5/30/97	196-258	226-229	199.55	692.45	693.15	492.90
	6/24/97	196-258	226-229	200.40	692.45	693.15	492.05
	6/15/97	196-258	226-229	201.27	692.45	693.15	491.18
	8/29/97	196-258	226-229	203.31	692.45	693.15	489.14
	9/26/97	196-258	226-229	204.60	692.45	693.15	487.85
	10/23/97	196-258	226-229	205.54	692.45	693.15	486.91
	11/11/97	196-258	226-229	206.15	692.45	693.15	486.30
	10/12/97	196-258	226-229	206.76	692.45	693.15	485.69
	1/28/98	196-258	226-229	205.81	692.45	693.15	486.64
	2/3/98	196-258	226-229	205.37	692.45	693.15	487.08

TABLE 1B
CUMULATIVE GROUNDWATER ELEVATIONS DATA
Former Weber Aircraft Facility
Burbank, California

Well Identification	Date of Measurement	Screened Interval (ft. bgs)	Blank Casing Interval	Depth to Water Below TOC (ft.)	Top of Casing Elevation (ft.msl)	Ground Surface Elevation (ft.msl)	Groundwater Elevation (ft.msl)
SW-5	4/28/98	196-258	226-229	204.13	692.45	693.15	488.32
(cont'd)	5/29/98	196-258	226-229	203.74	692.45	693.15	488.71
	6/12/98	196-258	226-229	203.47	692.45	693.15	488.98
	7/30/98	196-258	226-229	202.32	692.45	693.15	490.13
	9/4/98	196-258	226-229	201.86	692.45	693.15	490.59
	10/9/98	196-258	226-229	200.86	692.45	693.15	491.59
	11/25/98	196-258	226-229	200.87	692.45	693.15	491.58
	10/21/98	196-258	226-229	199.65	692.45	693.15	492.80
	1/21/99	196-258	226-229	200.15	692.45	693.15	492.30
	2/11/99	196-258	226-229	200.68	692.45	693.15	491.77
	3/12/99	196-258	226-229	201.03	692.45	693.15	491.42
	4/8/99	196-258	226-229	201.70	692.45	693.15	490.75
	5/20/99	196-258	226-229	201.78	692.45	693.15	490.67
	6/10/99	196-258	226-229	201.77	692.45	693.15	490.68
	7/28/99	196-258	226-229	201.15	692.45	693.15	485.30
	8/17/99	196-258	226-229	203.18	692.45	693.15	489.27
	9/16/99	196-258	226-229	210.79	692.45	693.15	481.66
	10/15/99	196-258	226-229	212.00	692.45	693.15	480.45
	11/12/99	196-258	226-229	212.90	692.45	693.15	479.55
	12/10/99	196-258	226-229	212.99	692.45	693.15	479.46
	1/28/00	196-258	226-229	218.83	692.45	693.15	473.62
	12/20/02	196-258	226-229	below packer	692.45	693.15	NA
	12/20/04	196-258	226-229		692.45	693.15	451.95
	1/13/06	196-258	226-229	229.72	692.65	693.03	462.93
	4/26/06	196-258	226-229	225.83	692.65	693.03	466.82
	7/18/06	196-258	226-229	224.37	692.65	693.03	468.28
	10/18/06	196-258	226-229	224.52	692.65	693.03	468.13
	1/17/07	196-258	226-229	222.15	692.65	693.03	470.50
	2/20/07	196-258	226-229	220.37	692.65	693.03	472.28
	5/14/07	196-258	226-229	219.61	692.65	693.03	473.04
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MW-6	1/17/07	200-260	—	222.15	699.09	699.09	476.94
	2/20/07	200-260	—	222.03	699.09	699.09	477.06
	5/14/07	200-260	—	221.13	699.09	699.09	477.96
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MW-7	1/17/07	212-272	—	226.36	698.39	698.39	472.03
	2/20/07	212-272	—	224.78	698.39	698.39	473.61
	5/14/07	212-272	—	224.10	698.39	698.39	474.29

Notes:

Groundwater elevation determined by TOC - Depth to Water (DTW).

Wells were constructed with two screened intervals with a five foot blank casing separating the intervals, SW-1 through SW-5.

Ground surface elevations are reported as Top of Rim, from previous surveys. No data is available at SW-4.

Ground surface elevation may be erroneous for data prior to the 1st Quarter 2006 Sampling event, wells SW-1 through SW-5

TABLE 2
SUMMARY OF
Title 22/CAM 17 Metals, Hexavalent Chromium, Dissolved Metals and Mercury
Second Quarter 2007
Former Weber Aircraft Facility
Burbank, California

Well ID	Date Sampled	Title 22/CAM 17 Metals (6010 B)																						6010B		7470A			
		Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cr 6+ (7199)	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Tl	V	Zn	Fe dissolved	Mn dissolved	Hg	
Analytical Reporting Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
California MCLs (µg/L)		100	50	1,000	4	No MCL	5	730***	50	50	1,300**	300	No MCL	No MCL	50	180***	No MCL	100	15*	6	50	2	36***	5,000	300	50	2		
SW-1	21-Dec-04	NA	NA	NA	NA	NA	NA	NA	NA	3****	1.4****	4****	NA	NA	NA	NA	NA	NA	5****	<5****	NA	NA	NA	NA	NA	NA	NA		
	12-Jan-06	<10	NA	<10	85	U	62,500	<5.0	<50	96	5.2	<25	NL	3,000 B	15,600	NR	17 B	99,300	8.7 B	3.1 B	<60	<5.0	<10	12 B	33	<100	4.2 B	<0.2	
	26-Apr-06	<1.0	NA	1.4 J	143 J	0.13 B,J	68,000 J	<1.0	8.5 J	174	5.9	33.8 J	NL	2,890	16,300 J	NR	8.9	92,400 J	67.0	57.1 J	<2.0	1.1 J	<1.0	30.5	206 J	<50	2.7	<0.2	
	18-Jul-06	<10	10,000	9.9	200	<4.0	66,000	<5.0	13	1,600	5.5	72	53,000	5,800	20,000	760	37	100,000	140	55	<10	11	<10	67	280	<40	<20	<0.2	
	17-Oct-06	<10	210	<10	85	<4.0	60,000	<5.0	<10	23	4.9	<10	1,500	2,800	15,000	110	<20	92,000	12	7.3	<10	<10	<10	16	13	<40	<20	<0.2	
	17-Jan-07	<10	1,300	<10	100	<4.0	66,000	<5.0	<10	220	4.9	20	11,000	3,300	17,000	17,000	<20	100,000	25	20	<10	<10	<10	21	1,400	<40	20	<0.2	
	14-May-07	<10	330	<10	93	<4.0	67,000 B-1	<5.0	<10	78	4.7	<10	1,600	3,000	16,000	39	<20	96,000	13	<50	<10	<10	<10	13	<20	99	<20	<0.2	
SW-2	20-Dec-04	NA	NA	NA	NA	NA	NA	NA	NA	9****	6.7****	4****	NA	NA	NA	NA	NA	NA	4****	<5****	NA	NA	NA	NA	NA	93****	NA	NA	NA
	12-Jan-06	<10	NA	9.8 B	88	U	67,500	<5.0	<50	14	12	<25	NL	4,100 B	21,800	NR	11 B	59,500	<40	<5.0	<0.060	<5.0	<10	8.4 B	11 B	<100	9.5 B	<0.2	
	26-Apr-06	<1.0	NA	1.1 J	88 J	<1.0	58,700 J	<1.0	1.0 J	26.5	12	3.4 J	NL	4,320	22,400 J	NR	11.6	63,000 J	6.2	6.9 J	0.23 B,J	1.1 J	<1.0	9.3	298 J	<50	7.6	<0.2	
	19-Jul-06	<10	3,300	<5.0	96	<4.0	63,000	<5.0	<10	26	8.8	<10	5,000	4,700	22,000	NR	<20	74,000	<10	5.8	<10	<10	<10	13	180	<40	<20	<0.2	
	17-Oct-06	<10	390	<10	91	<4.0	63,000	<5.0	<10	14	10	<10	460	4,400	21,000	30	<20	60,000	<10	<5.0	<10	<10	<10	49	<40	<20	<0.2		
	17-Jan-07	<10	1,900	<10	220	<4.0	84,000	<5.0	15	130	10	35	29,000	7,200	30,000	680	<20	67,000	52	37	<10	<10	<10	42	260	<40	<20	<0.2	
	15-May-07	<10	<50	<10	87	<4.0	57,000	<5.0	<10	14	12	<10	3,800	21,000	<20	<20	61,000	<10	<5.0	<10	<10	<10	<10	<20	<40	<20	<0.2		
SW-3	21-Dec-04	NA	NA	NA	NA	NA	NA	NA	NA	<10***	0.4****	4****	NA	NA	NA	NA	NA	NA	4****	<5****	NA	NA	NA	NA	NA	86****	NA	NA	NA
	13-Jan-06	<10	NA	<10	120	U	87,600	<5.0	<50	78	80	<25	NL	5,000	30,200	NR	9.5 B	63,600	9.2 B	<5.0	<60	<5.0	<10	4.2 B	21	U*	7.2 B	<0.2	
	26-Apr-06	<1.0	NA	1.7 J	160 J	<1.0	87,100 J	<1.0	5.8 J	663	210	18.4 J	NL	5,260	30,600 J	NR	12.1	58,700 J	110	3.7 J	0.30 B,J	1.0 J	<1.0	8.0	419 J	28.0 B	23.3	<0.2	
	18-Jul-06	<10	2,100	<5.0	140	<4.0	85,000	<5.0	<10	770	580	18	14,000	6,200	33,000	220	<20	56,000	62	6.6	<10	<10	<10	12	2,200	<40	27	<0.2	
	17-Oct-06	<10	790	<10	140	<4.0	85,000	<5.0	<10	300	250	11	2,000	4,900	31,000	130	<20	49,000	48	<5.0	19	<10	<10	12	220	<40	<20	<0.2	
	17-Jan-07	<10	2,200	<10	140	<4.0	87,000	<5.0	<10	640	210	13	17,000	5,700	33,000	270	<20	50,000	49	10	<10	<10	<10	12	1,100	<40	20	<0.2	
	15-May-07	<10	2,500	<10	160	<4.0	92,000	<5.0	<10	700	110	17	6,300	5,400	33,000	88	<20	50,000	70	8.5	<10	<10	<10	13	180	<40	<20	<0.2	
SW-4	21-Dec-04	NA	NA	NA	NA	NA	NA	NA	NA	6****	2.2****	5****	NA	NA	NA	NA	NA	NA	9****	<5****	NA	NA	NA	NA	NA	75****	NA	NA	NA
	13-Jan-06	<10	NA	<10	110	U	75,400	<5.0	<50	33	13	5.5 B	NL	3,700 B	22,600	NR	7.0 B	38,800	14 B	8.8	<60	<5.0	<10	9.5 B	99	<100	2.9 B	<0.2	
	27-Apr-06	<1.0	NA	1.1 J	140 J	<1.0	82,900 J	0.24 B	3.1 J	88.7	50	10.0 J	NL	4,200	26,400 J	NR	6.5	41,800 J	22.7	13.3 J	0.46 B,J	1.2 J	<1.0	11.1	346 J	25.0 B	4.2	NR	
	19-Jul-06	<10	6,500	<5.0	120	<4.0	68,000	<5.0	<10	250	40	36	58,000	11,000	30,000														

TABLE 3
SUMMARY OF INORGANIC COMPOUNDS,
1,4-Dioxane, NDMA, PERCHLORATE, SULFATE and CHLORIDE
Second Quarter 2007
Former Weber Aircraft facility
Burbank, California

Well ID	Date Sampled	300.0A						314.0	9030B/9034	8270 C (SIM)	1625 M
		Dissolved Oxygen	Chloride	Fluoride	Nitrite as (N)	Nitrate as (N)	Nitrate as (NO ₃)*	Sulfate	Perchlorate	Sulfides (total)	1,4 - Dioxane
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
California MCL (µg/L)	No MCL	250,000	2,000	1,000	10,000 (USEPA)	45,000	250,000	3.6 µg/L	No MCL	6.1 µg/L	0.0013 µg/L
SW-1	21 Dec 04	NA	NA	NL	NA	NA	NA	NA	<4.0	NA	<2
	12-Jan-06	8,100	49,100	NL	<500 G	8,000	35,432	77,800	2.9 B	<4,000	<0.95
	26-Apr-06	8,400 J	54,100	NL	<100	8,300	36,761	85,700	2.7 B	<4,000	<1.0
	18-Jul-06	4,800 J	52,000	580	<750 RL-1	7,800	34,546	80,000	<4.0	<1,000	<0.47
	17-Oct-06	5,000	51,000	<500	<150	8,400	37,204	76,000	<4.0	<1,000	<0.50
	17-Jan-07	4,400	51,000	<500	<150	8,500	37,647	77,000	<4.0	<1,000	2.9
	14-May-07	6,400 HFT J	50,000	580	<150	7,900	34,989	75,000	<4.0	<1,000	<0.47
SW-2	20-Dec-04	NA	NA	NL	NA	NA	NA	NA	<4.0	NA	<2
	12-Jan-06	6,900	43,800	NL	<500 G	8,400	37,204	75,700	2.6 B	3,400 B	<0.95
	26-Apr-06	7,400 J	40,300	NL	<1,000	9,000	39,861	73,500	2.5 B	<4,000	<0.96
	19-Jul-06	5,200 J	42,000	590	<150	7,000	31,003	74,000	<4.0	<1,000	<0.48
	17-Oct-06	4,600	43,000	<500	<150	8,100	35,875	78,000	<4.0	<1,000	<0.48
	17-Jan-07	4,700	44,000	<500	<150	7,400	32,775	76,000	<4.0	<1,000	<0.47
	15-May-07	4,800 HFT J	57,000	630	<150	7,900	34,989	76,000	<4.0	<1,000	<0.50
SW-3	21-Dec-04	NA	NA	NL	NA	NA	NA	NA	236	NA	<2
	13-Jan-06	7,400	52,500	NL	<500 G	11,000	48,719	81,000	2.3 B	<4,000	6.8
	26-Apr-06	7,500	50,600	NL	<100	10,800	47,833	83,800	4.1	<4,000	<1.0
	18-Jul-06	5,100 J	45,000	600	<150	12,000	53,148	86,000	<4.0	<1,000	0.5
	17-Oct-06	5,100	45,000	<500	<150	15,000	66,435	81,000	<4.0	<1,000	0.58
	17-Jan-07	5,600	49,000	<500	<150	13,000	57,577	81,000	<4.0	<1,000	0.71
	15-May-07	6,100 HFT J	49,000	<500	<150	13,000	57,577	86,000	<4.0	<1,000	0.76
SW-4	21-Dec-04	NA	NA	NL	NA	NA	NA	NA	<4.0	NA	14
	13-Jan-06	6,700	43,000	NL	<500 G	8,600	38,089	79,100	<4.0	<4,000	<0.95
	27-Apr-06	7,000	37,600	NL	<100	16,600	73,521	68,700	2.0 B	<4,000	110
	19-Jul-06	3,300 J	35,000	510	<150	16,000	70,864	58,000	<4.0	<1,000	150
	18-Oct-06	4,600	32,000	500	<750	20,000	88,580	62,000	<4.0	<1,000	350
	Well Properly Abandoned January 2007										
	14-May-07	6,200 HFT J	54,000	590	<150	9,000	39,861	110,000	<4.0	<1,000	<0.51
SW-5	20-Dec-04	NA	NA	NL	NA	NA	NA	NA	<4.0	NA	3.2
	13-Jan-06	7,500	47,400	NL	<500 G	9,700	42,961	89,600	<4.0	<4,000	<0.95
	27-Apr-06	9,400 J	50,300	NL	<100	10,100	44,733	95,400	<4.0	<4,000	4.7
	19-Jul-06	3,600 J	46,000	580	<150	9,400	41,633	86,000	<4.0	<1,000	27
	18-Oct-06	4,900	32,000	<500	<150	20,000	88,580	62,000	<4.0	<1,000	290
	17-Jan-07	5,400	49,000	<500	<150	11,000	48,719	89,000	<4.0	<1,000	650 Z3
	15-May-07	5,900 HFT J	50,000	<500	<150	9,900	43,847	94,000	<4.0	<1,000	26 Z3
MW-6	20-Feb-07	3,700	42,000	<500	160	7,300	32,332	87,000	<4.0	<1,000	<0.51 RL4
	15-May-07	5,500 HFT J	41,000	520	<150	7,300	32,332	88,000	<4.0	<1,000	<0.49
MW-7	21-Feb-07	3,700 HFT	53,000	840	<150	8,000	35,432	82,000	<4.0	<1,000	<0.5
	16-May-07	5,700 HFT J	58,000	540	<150	8,300	36,761	94,000	<4.0	<1,000	5.8

Notes:

Results in excess of MCL are in bold. Analyses for the current quarter are italicized

MCL = Maximum Contaminant Level in micrograms per liter (µg/L)

<# = Not detected at or above the method reporting limit

* = Nitrate as NO₃ converted from Nitrate as (N). (Nitrate as (N) µg/L) × 4.429 = Nitrate as NO₃ µg/L

USEPA = United States Environmental Protection Agency Region 9 PRGs for tap water

Table 4
Dioxin/Furans
Second Quarter 2007
Former Weber Aircraft Facility
Burbank, California

Well ID	Sample Date	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDD	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	1,2,3,7,8-HxCDF	1,2,3,4,7,8-HxCDF	2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	HpCDF1234789	OCDD	OCDF	TOTAL TCDD	TOTAL TCDF	TOTAL PeCDD	TOTAL PeCDF	TOTAL HxCDD	TOTAL HxCDF	TOTAL HpCDD	TOTAL HpCDF	Total 2,3,7,8-TCDD Equivalent																									
SW-3	15-May-07	0.512	U	0.448	U	0.601	U	0.673	U	0.705	U	1.25	U	1.35	U	1.32	U	0.339	U	0.333	U	0.490	U	0.354	U	1.86	U	0.552	U	0.804	U	12.9	J	1.46	U	0.512	U	0.448	U	0.601	U	0.705	U	1.35	U	0.490	U	1.86	U	0.804	U	0.013
MW-4A	14-May-07	0.497	U	0.448	U	0.943	U	1.15	U	1.17	U	1.47	U	1.58	U	1.55	U	0.842	U	0.818	U	1.38	U	0.902	U	1.86	U	0.809	U	1.19	U	5.65	U	4.32	U	0.497	U	0.448	U	0.943	U	1.17	U	1.58	U	1.38	U	1.86	U	1.19	U	0.000
SW-5	15-May-07	0.582	U	0.356	U	0.826	U	0.676	U	0.662	U	1.20	U	1.34	U	1.30	U	0.324	U	0.327	U	0.526	U	0.349	U	1.22	U	0.515	U	0.760	U	5.50	U	1.46	U	0.582	U	0.356	U	0.826	U	0.676	U	1.34	U	0.526	U	1.22	U	0.760	U	0.000
MW-6	15-May-07	0.840	U	0.621	U	0.936	U	0.811	U	0.808	U	1.19	U	1.37	U	1.30	U	0.389	U	0.362	U	0.600	U	0.408	U	1.27	U	0.794	U	1.14	U	4.41	U	1.46	U	0.840	U	0.621	U	0.936	U	0.822	U	1.37	U	0.600	U	1.27	U	1.14	U	0.000
MW-7	16-May-07	2.36	U	2.21	U	4.54	U	2.48	U	2.56	U	6.64	U	7.53	U	8.52	U	2.11	U	2.1	U	3.74	U	2.21	U	5.59	U	3.05	U	5.32	U	9.97	U	7.86	U	2.36	U	2.21	U	4.54	U	2.57	U	8.52	U	3.74	U	5.59	U	5.32	U	0.000
Rinsate-1	15-May-07	0.510	U	0.342	U	0.678	U	0.562	U	0.548	U	1.21	U	1.32	U	1.27	U	0.277	U	0.267	U	0.493	U	0.298	U	0.866	U	0.316	U	0.456	U	3.29	U	1.26	U	0.510	U	0.342	U	0.678	U	0.562	U	1.32	U	0.439	U	0.866	U	0.456	U	0.000
All sample results in picograms per gram (pg/L)																												California MCL for TCCD Equivalent 30 pg/L																								
bgs - below ground surface																																																				
Total 2,3,7,8-TCDD equivalent calculated by multiplying the toxicity equivalency factor by the detected concentration.																																																				
Toxicity Equivalency Factors represent the WHO/98 values from Table 9-2 of USEPA's December 2003																																																				
NAS Review Draft Exposure and Human Health Reassessment of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) and Related Compounds (NCEA-I-0836).																																																				
Qualifiers:																																																				
U = Result below detection limit																																																				
J = Analyte concentration is below calibration range																																																				

TABLE 5
SUMMARY OF VOLATILE ORGANIC COMPOUNDS
 Second Quarter 2007
 Former Weber Aircraft Facility
 Burbank, California

Well ID	Date Sampled	PCE	TCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon-113	1,2,3-TCP ^a	Vinyl Chloride	Chloroform	MC	Chlorobenzene	DBCM	BDCM	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Acetone	
Analytical Reporting Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
California MCL (µg/L)		5	5	200	5	5	0.5	6	6	10	1,200	0.0056**	0.5	0.17**	4.3**	110**	0.13**	0.18**	1.0	150	300	1750	5,500**	
SW-1	21-Dec-04	<5	<5	<5	NA	NA	NA	<5	<5	NA	NA	NA	NA	2.1 J	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	
	12-Jan-06	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.0057	<1.0	ER	<1.0	2.2	<1.0	<1.0	U	<1.0	<1.0	<1.0	<1.0	<10	
	26-Apr-06	<1.0	0.74 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ER	<1.0	NL	<0.005	<1.1	1.9	<1.0	<1.0	0.33 J	0.48 J	2.3	0.33 J	2.3	<10
	18-Jul-06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ER	<1.0	<0.005	<0.50	1.6	<5.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	NA
	17-Oct-06	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<0.005	<0.50	<1.0	<0.005	<0.50	1.9	<5.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<10
	17-Jan-07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<0.005	<0.50	<1.0	<0.005	<0.50	2.0	<5.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<10
	14-May-07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<0.005	<0.5	<1.0	<0.005	<0.5	2.0	<5.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<10
SW-2	20-Dec-04	<5	2.1 J	<5	NA	NA	NA	<5	<5	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	<5.0	NA	NA	NA	NA
	12-Jan-06	0.92 J	9.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ER	<1.0	U	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	
	26-Apr-06	2.0	14	<1.0	<1.0	<1.0	<1.0	<1.0	0.74 J	<1.0	ER	<1.0	0.85 J	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	13	2.0	14	<10	
	19-Jul-06	2.1	13	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	ER	<1.0	<0.005	<0.50	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	NA	
	17-Oct-06	<1.0	6.6	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	ER	<1.0	<0.005	<0.50	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	
	17-Jan-07	<1.0	5.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	ER	<1.0	<0.005	<0.50	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	
	15-May-07	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<0.005	<0.50	<1.0	<0.005	<0.50	<1.0	<5.0	<1.0	<1.0	<0.50	<1.0	<1.0	<10	
SW-3	21-Dec-04	18	6	1.1 J	NA	NA	NA	3.5 J	<5	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	2.1 J	NA	NA	NA	NA
	13-Jan-06	280	91	12	<3.6	1.9 J	<3.6	83	<3.6	<3.6	4.0	ER	<3.6	3.3 J	<3.6	<3.6	<3.6	<3.6	<3.6	<10	<3.6	<3.6	<36	
	26-Apr-06	250	82	10	<4.0	1.7 J	<4.0	58	<4.0	<4.0	2.5 J	ER	<4.0	2.2 J	<4.0	<4.0	<4.0	<4.0	3.2 J	18	3.8 J	24	<40	
	18-Jul-06	270	120	9.9	<5.0	<5.0	<2.5	50	<5.0	<5.0	NL	<0.005	<2.5	<5.0	<25	<5.0	<5.0	<2.5	<5.0	<5.0	<5.0	<5.0	NA	
	17-Oct-06	210	130	7.8	<5.0	<5.0	<2.5	48	<5.0	<5.0	<25	<0.005	<2.5	<5.0	<25	<5.0	<5.0	<2.5	<5.0	<5.0	<5.0	<5.0	<50	
	17-Jan-07	160	120	5.9	<1.0	1.4	1.0	28	<1.0	<1.0	<5.0	<0.005	<0.5	2.1	<5.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<10	
	15-May-07	100	83	3.9	<1.0	<1.0	<0.5	9.6	<1.0	<1.0	<5.0	<0.005	<0.5	1.3	<5.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<10	
SW-4	21-Dec-04	804	1,200	12	NA	NA	NA	81	6.3	NA	NA	NA	NA	4.6 J	NA	NA	NA	NA	NA	51	NA	NA	NA	NA
	13-Jan-06	43	1,600	<25	<25	<25	<25	29	6.3 J	<25	NA	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<250	
	27-Apr-06	1,200	1,300	13 J	<17	<17	<17	94	<17	<17	17	0.036	<17	<17	<17	<17	<17	<17	<17	<17	10 J	<17	<17	<170
	19-Jul-06	740	790	<10	<10	<10	<10	62	<10	<10	NL	0.025	<5.0	<10	<50	<10	<10	<10	<5.0	<10	<10	<10	<10	NA
	18-Oct-06	1,400	1,400	15	<1.0	1.7	4.8	140	6.7	<1.0	<5.0	0.032	<0.50	5.8	<5.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<10	
Well Properly Abandoned January 2007																								
MW-4A	21-Feb-07	10	1,300	<1.0	<1.0	6.8	<0.5	46	1															

TABLE 6
SUMMARY OF
VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR
Second Quarter 2007
Former Weber Aircraft Facility
Burbank, California

SOIL VAPOR ID	SAMPLE DEPTH (feet bgs)	First Quarter 2007						Second Quarter 2007					
		PURGE VOLUME (cc)	1,1-DCE	Freon 113	cis-1,2 DCE	1,1,1-TCA	TCE	PURGE VOLUME (cc)	1,1-DCE	Freon 113	cis-1,2 DCE	1,1,1-TCA	TCE
		Reporting Units	µg/L	µg/L	µg/L	µg/L	µg/L	Reporting Units	µg/L	µg/L	µg/L	µg/L	µg/L
SVP-1	50	875	<1.0	<1.0	<1.0	<1.0	<1.0	1250	<1.0	<1.0	<1.0	<1.0	<1.0
	100	1875	11	<1.0	<1.0	<1.0	30	2500	21	<1.0	<1.0	25	1.7
	100-dup	--	--	--	--	--	--	2560	21	<1.0	<1.0	35	2.3
	150	3750	140	<4.0	<4.0	6.6	76	3750	200	<4.0	<4.0	4.6	55
SVP-2	50	875	<1.0	<1.0	<1.0	<1.0	<1.0	1250	1.6	<1.0	<1.0	<1.0	8.5
	100	1875	8.9	2.9	<1.0	<1.0	5.6	2500	10	2.7	<1.0	<1.0	1.4
	150	3750	110	10	<4.0	9.3	41	3750	96	10	<2.0	5.8	31
SVP-3	35	875	<1.0	<1.0	<1.0	<1.0	<1.0	875	<1.0	<1.0	<1.0	<1.0	<1.0
	100	1875	5	5.1	4.9	<1.0	<1.0	2500	4.8	4.5	<1.0	<1.0	2.8
	150	3750	96	190	100	<4.0	11	3750	96	36	<4.0	4.6	41
	200	5000	270	290	95	<4.0	19	5000	270	63	<4.0	15	86
SVP-4	50	875	1.0	<1.0	<1.0	<1.0	<1.0	1250	2.3	<1.0	<1.0	<1.0	<1.0
	100	1875	13	<1.0	<1.0	<1.0	5.2	2500	16	<1.0	<1.0	<1.0	1.1
	200	3750	150	7.3	<4.0	8.6	47	5000	210	7.8	<4.0	5.7	28
SVP-5	50	875	<1.0	<1.0	<1.0	<1.0	<1.0	1250	<1.0	<1.0	<1.0	<1.0	<1.0
	100	1875	4.6	2.8	<1.0	<1.0	2.0	2500	6.8	3.0	<1.0	<1.0	3.4
	150	3750	130	84	<4.0	4.3	58	3750	79	35	<4.0	<4.0	57
	200	5000	290	74	<4.0	14	110	5000	280	62	<4.0	16	130
SVP-6	100	1875	13	<1.0	<1.0	<1.0	4.2	2500	17	<1.0	<1.0	<1.0	1.7
	150	3750	330	7.0	<4.0	19	81	3750	360	6.3	<4.0	17	61
	200	5000	210	48	<4.0	8.0	89	5000	200	32	<4.0	7.2	59
SVP-7	50	875	<1.0	<1.0	<1.0	<1.0	<1.0	1250	<1.0	<1.0	<1.0	<1.0	<1.0
	100	1875	9.9	4.4	<1.0	1.3	2.1	2500	2.4	1.3	<1.0	<1.0	<1.0
	150	3750	360	140	<4.0	24	17	3750	150	50	<4.0	8.9	7.3
	200	5000	340	76	<4.0	28	32	5000	360	67	<4.0	42	37
SVP-8	35	875	<1.0	<1.0	<1.0	<1.0	<1.0	875	<1.0	<1.0	<1.0	<1.0	<1.0
	50	875	<1.0	<1.0	<1.0	<1.0	<1.0	1250	<1.0	<1.0	<1.0	<1.0	<1.0
	75	1875	<2.0	<2.0	<2.0	<2.0	<2.0	1875	<1.0	<1.0	<1.0	<1.0	<1.0
	150	3750	83	35	<4.0	5.4	28	3750	55	18	1.2	5.7	45
	200	5000	440 J*	130 J*	<4.0	37 J*	210 J*	5000	230	58	<4.0	26	110
SVP-9	50	875	1.7	1.1	<1.0	<1.0	1.1	875	<1.0	<1.0	<1.0	<1.0	<1.0
	100	1875	2.7	2.2	<1.0	<1.0	2.5	1250	<1.0	<1.0	<1.0	<1.0	<1.0
	100-dup	1875	3.0	2.3	<1.0	<1.0	1.7	2500	4.2 J	2.5 J	<1.0 J	<1.0 J	2.0 J
	150	3750	280	150	<4.0	14	53	2560	4.4	2.6	<1.0	<1.0	2.5
	200	5000	260	69	2.6	20	140	3750	99	41	<4.0	6.1	48
SVP-10	50	875	<1.0	<1.0	<1.0	<1.0	<1.0	1250	<1.0	<1.0	<1.0	<1.0	<1.0
	100	1875	4.3	4.1	<1.0	<1.0	1.3	2500	9.3	4.5	<4.0	<4.0	4.3
	150	3750	180	73	<4.0	13	27	3750	160	48	<4.0	11	30
	150-dup	3750	200	81	<4.0	13	26	5000	--	--	--	--	--
	200	5000	470	150	<4.0	46	85	5000	420	96	<4.0	39	110
SVP-11	25	875	<1.0	<1.0	<1.0	<1.0	<1.0	1250	<1.0	<1.0	<1.0	<1.0	<1.0
	50	875	<1.0	<1.0	<1.0	<1.0	<1.0	1250	1.4	<1.0	<1.0	<1.0	1.7
	50-dup	875	<1.0	<1.0	<1.0	<1.0	<1.0	1310	<1.0	<1.0	<1.0	<1.0	1.9
	75	1875	<1.0	<1.0	<1.0	<1.0	<1.0	1875	1.1	<1.0	<1.0	<1.0	1.2
	150	3750	91	21	<4.0	4.9	59	3750	84	15	<4.0	<4.0	38
SVP-16	25	875	<1.0	<1.0	<1.0	<1.0	<1.0	1250	<1.0	<1.0	<1.0	<1.0	<1.0
	50	875	3.3	2.1	<1.0	<1.0	1.0	2500	5.0	3.6	<1.0	<1.0	3.2
	100	1875	<4.0	<4.0	<4.0	<4.0	<4.0	3750	45	12	<1.0	4.0	19
	150	3750	--	--	--	--	--	--	--	--	--	--	44

Notes:

All results reported in µg/L (micrograms per liter)

-- = Sample not collected

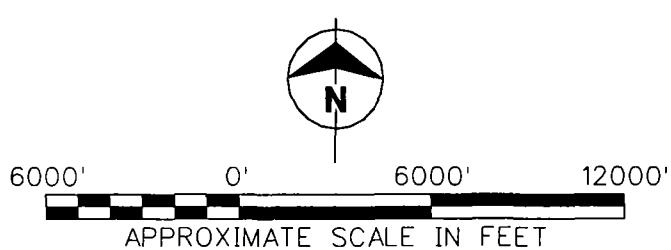
FIGURES

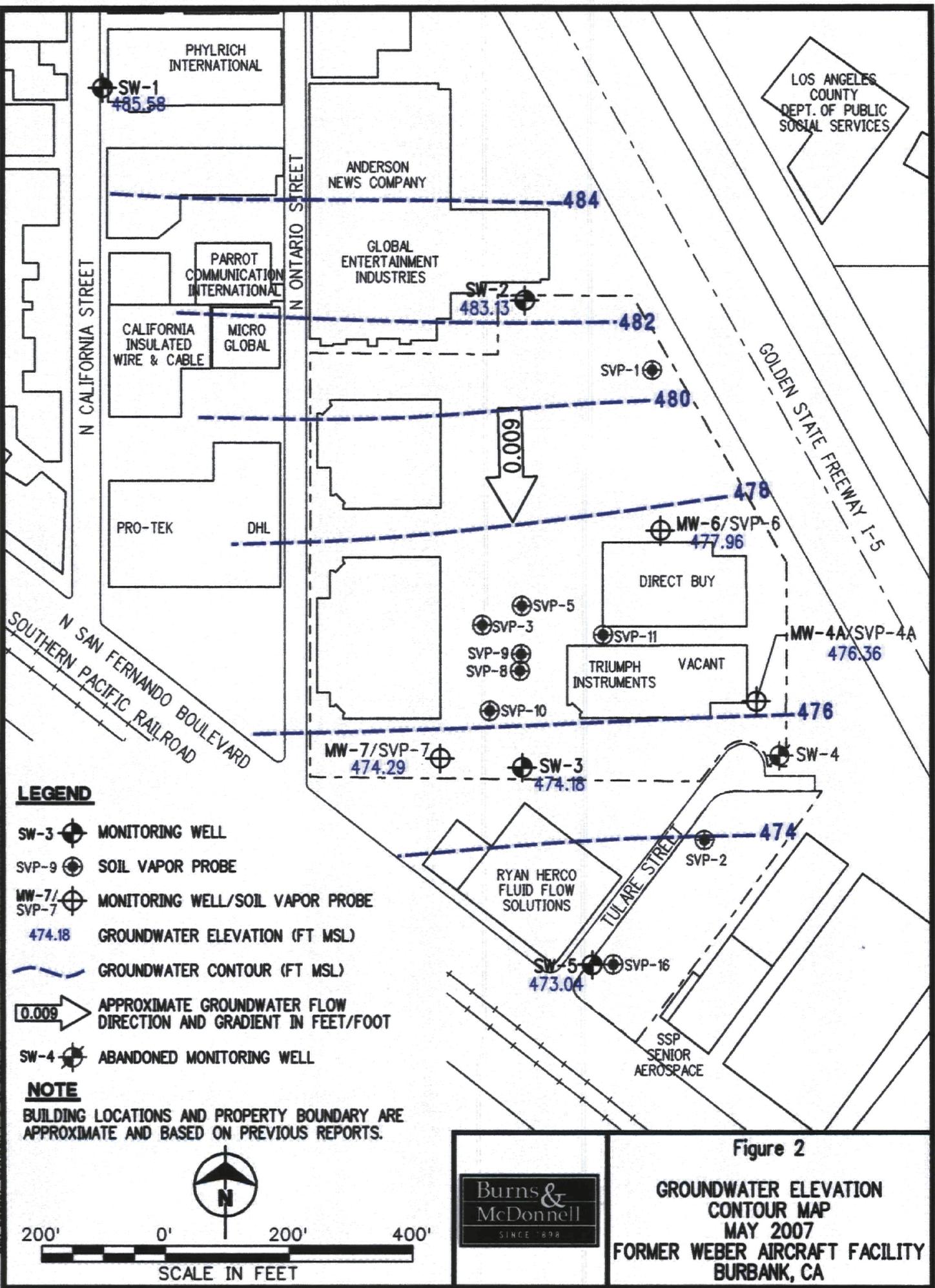


SOURCE: MAPQUEST, INC.

Figure 1

SITE LOCATION MAP
FORMER WEBER
AIRCRAFT FACILITY
BURBANK, CA





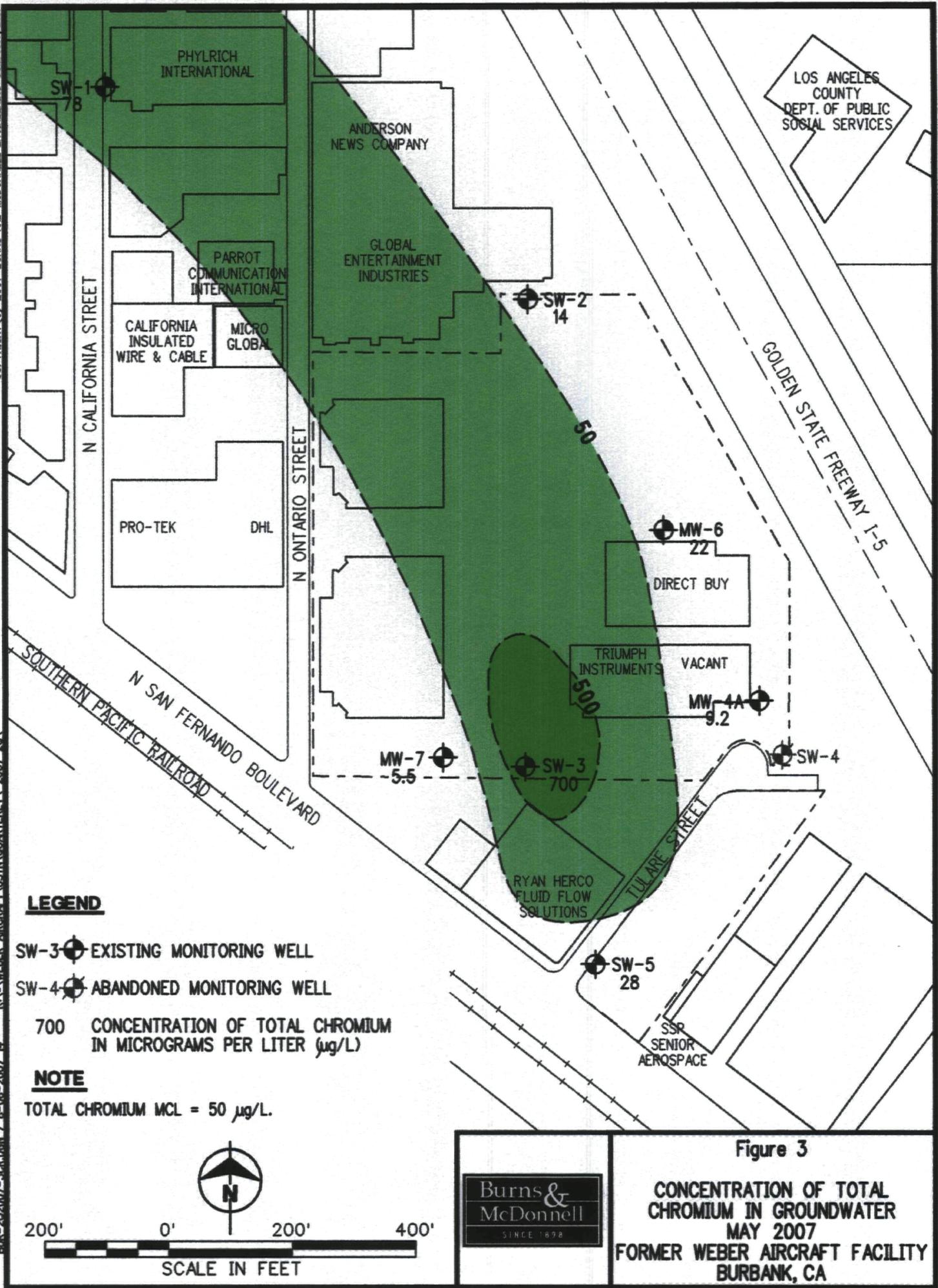
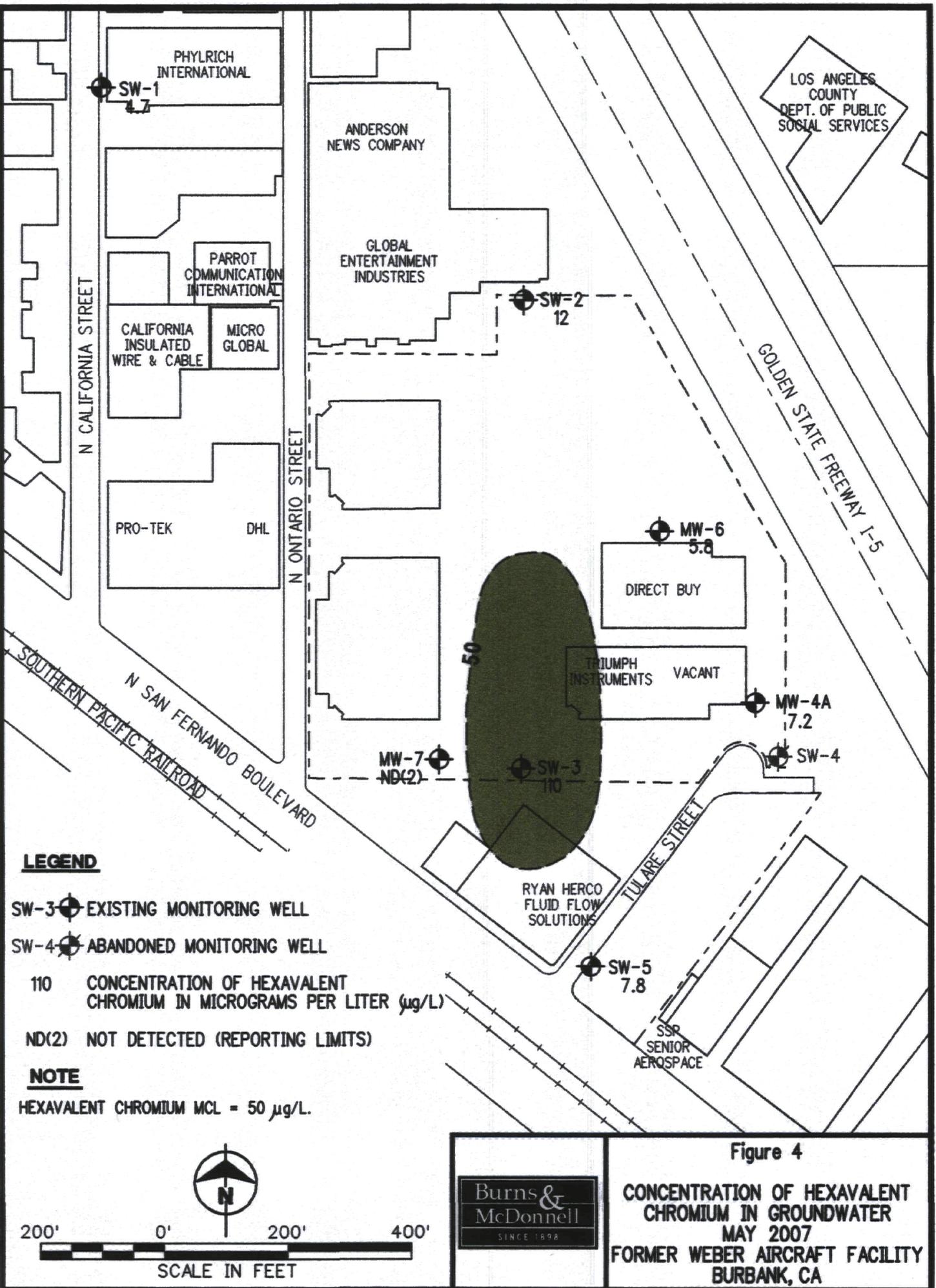
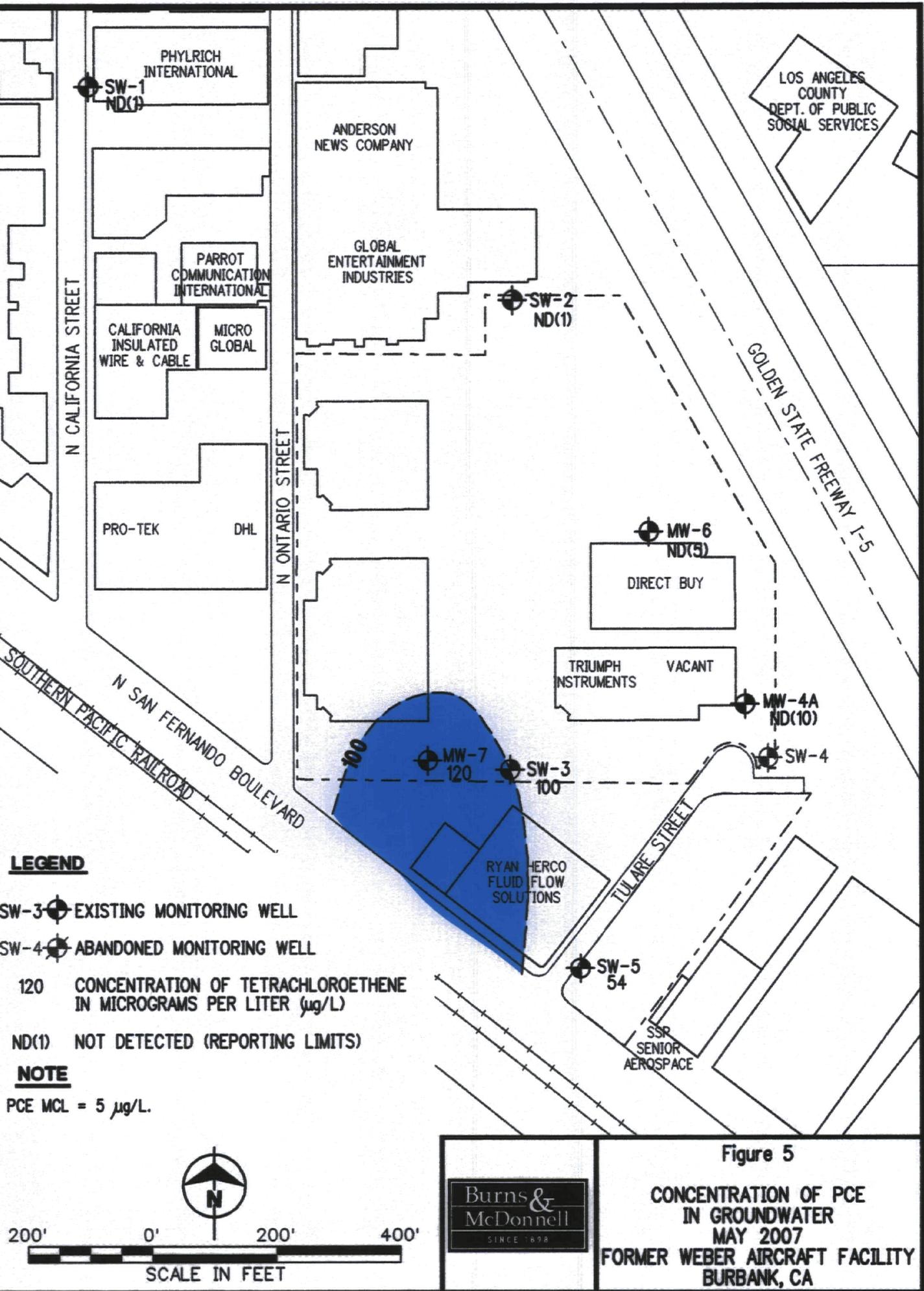


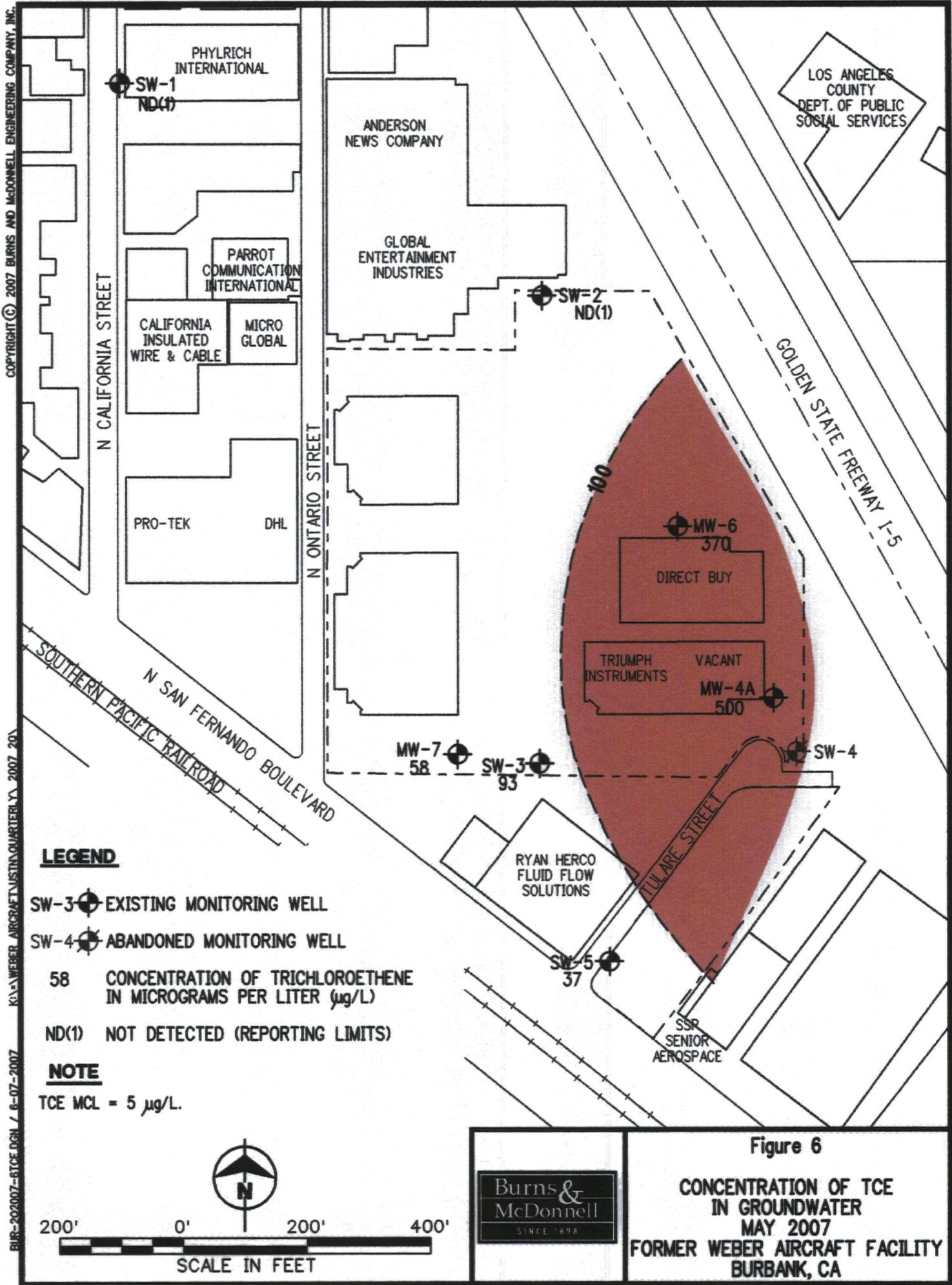
Figure 3

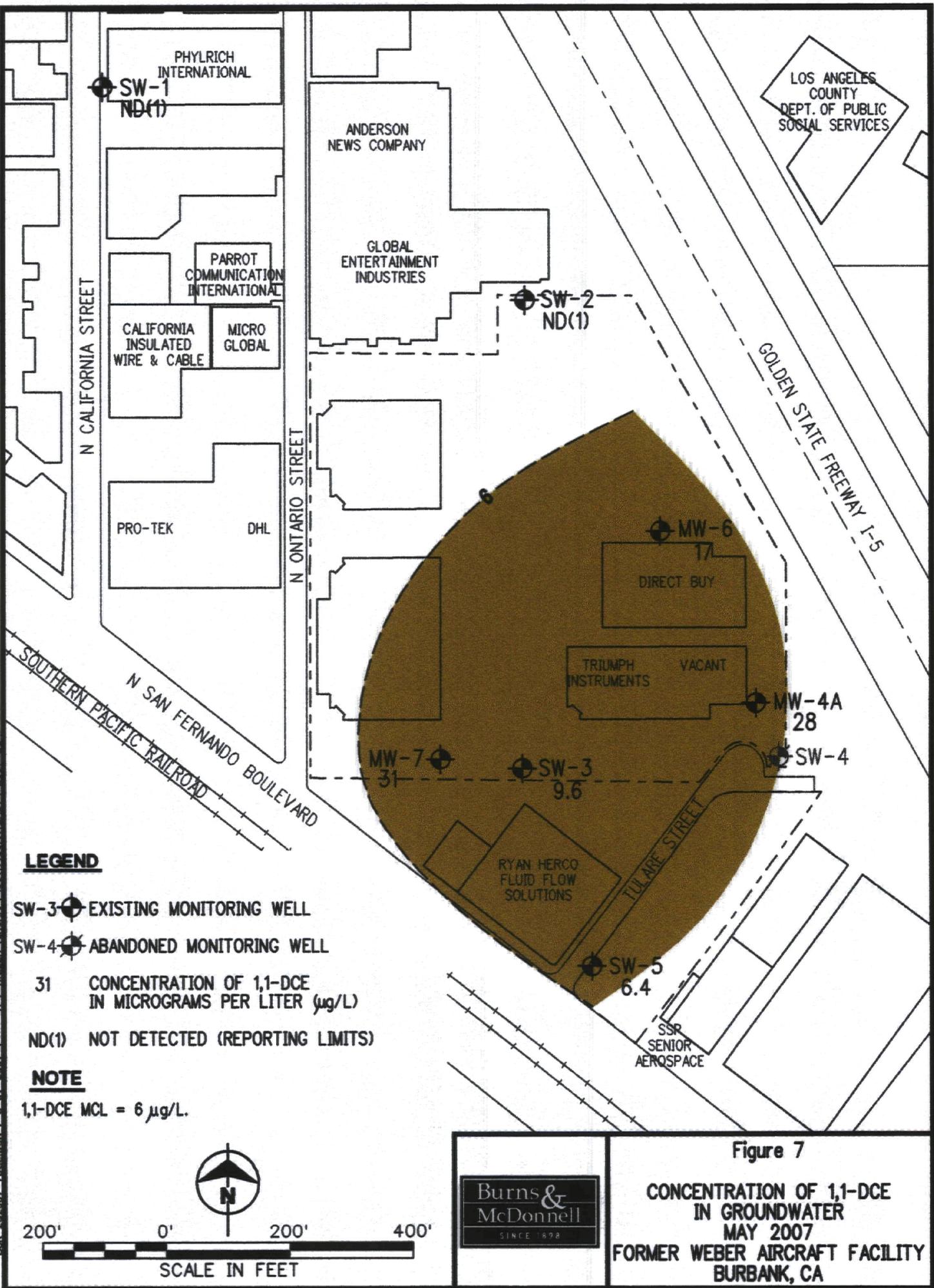
CONCENTRATION OF TOTAL CHROMIUM IN GROUNDWATER
MAY 2007
FORMER WEBER AIRCRAFT FACILITY
BURBANK, CA

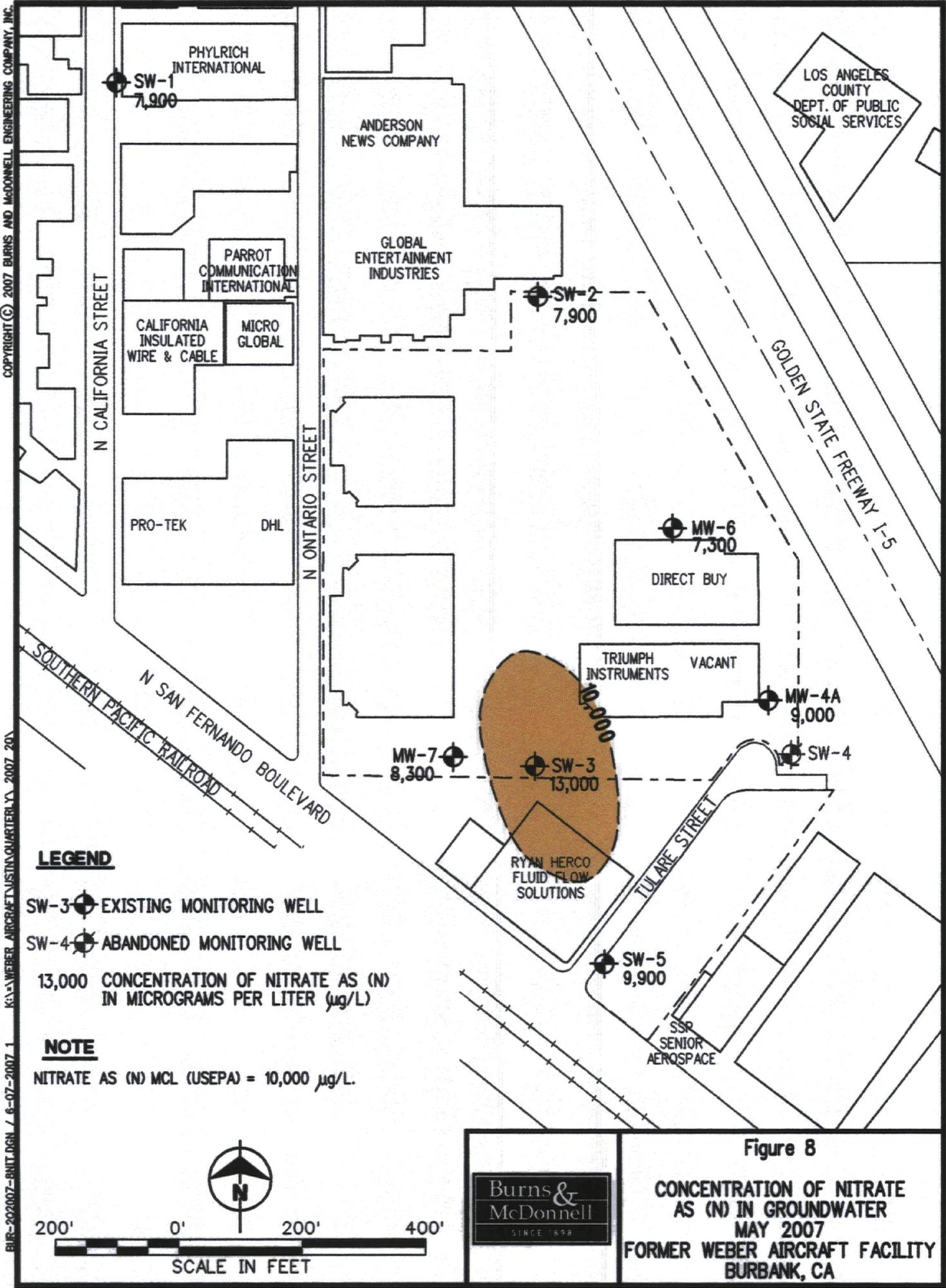












APPENDIX A

GROUNDWATER SAMPLING FORMS

WELL GAUGING DATA

Project # 070514-ALJ1 Date 5-14-07 Client Burns + McDonnell

Site 3000 San Fernando Blvd, Burbank

LOW FLOW WELL MONITORING DATA SHEET

Project #: 070514-ANL	Client: Burns + McDonnell							
Sampler: Wolff	Start Date: 5-14-07							
Well I.D.: MW-4A	Well Diameter: (2) 3 4 6 8							
Total Well Depth: 269.14	Depth to Water 217.56							
Depth to Free Product:	Thickness of Free Product (feet):							
Referenced to: PVC	Flow Cell Type: YSI-556							
Purge Method: 2" Grundfos Pump	Peristaltic Pump							
Sampling Method: Dedicated Tubing	New Tubing							
Flow Rate: 100 ml/min	3/4" Bladder Pump Other							
Pump Depth: 268'								
Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	DTW
1100	Start Purge							
1105	24.44	7.59	822	140	5.81	60.5	500	217.68
1110	24.55	7.62	825	114	5.67	54.7	1000	217.68
1115	24.57	7.60	829	90	5.68	53.6	1500	217.68
1120	24.54	7.58	832	77	5.69	57.7	2000	217.68
Did well dewater? Yes	No	Amount actually evacuated: 2000 mL						
Sampling Time: 1125	Sampling Date: 5-14-07							
Sample I.D.: MW-4A	Laboratory: Test Am.							
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:							
Equipment Blank I.D.: @	Duplicate I.D.:							

LOW FLOW WELL MONITORING DATA SHEET

Project #:	070514-AWI	Client:	Burns + McDonnell
Sampler:	Wolff	Start Date:	5-14-07
Well I.D.:	SW-1	Well Diameter:	2 3 4 (6) 8
Total Well Depth:	265.31	Depth to Water	226.22
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	PVC	Grade	Flow Cell Type: YSI - 556

Purge Method: 2" Grundfos Pump
Sampling Method: Dedicated Tubing

Peristaltic Pump New Tubing

Bladder Pump
Other _____

Flow Rate: 500 ml/min

Pump Depth: 264

Flow Rate: 500 ml/min **Pump Depth:** 26.4

Flow Rate: 500 mL/min Pump Depth: 26 in

Flow Rate: 500 mL/min Pump Depth: 26.9

Did well dewater? Yes No Amount actually evacuated: 10000 m³

Sampling Time: 1500 Sampling Date: 5-14-87

Sample I.D.: SW-1 Laboratory: Test Am

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Equipment Blank I.D.: @ Time Duplicate I.D.:

WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client Burns + McDonnell

Date 5-14-07

Site Address 3080 San Fernando Blvd., Burbank

Job Number 070514-TW1 Technician Wolff

NOTES:

LOW FLOW WELL MONITORING DATA SHEET

Project #:	070514-AW	Client:	Burns + McDonnell
Sampler:	Wolff	Start Date:	5-15-07
Well I.D.:	SW-2	Well Diameter:	2 3 4 6 8
Total Well Depth:	249.22	Depth to Water	219.01
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	PVC	Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump
Sampling Method: Dedicated Tubing

Peristaltic Pump New Tubing

Bladder Pump
Other

Flow Rate: 500 ml/min

Pump Depth: 246'

Did well dewater? Yes

(No)

Amount actually evacuated: 12000 m³

Sampling Time: 0810

Sampling Date: 5-15-07

Sample I.D.: S10-2

Laboratory: Test fm

Analyzed for:

TPH-G BTEX MTBE TPH-D

Other:

Equipment Blank I.D.:

Time

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #:	070514-4W1	Client:	Burns + McDonnell
Sampler:	WIFF	Start Date:	5-15-07
Well I.D.:	MW-C	Well Diameter:	② 3 4 6 8
Total Well Depth:	261.25	Depth to Water	221.13
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	PVC	Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump
Sampling Method: Dedicated Tubing

Peristaltic Pump

New Tubing

Bladder Pump
Other

Flow Rate: 500 ml/min

Pump Depth: 256

Did well dewater? Yes

No

Amount actually evacuated: 8000 m³

Sampling Time: 0920

Sampling Date: 5-15-07

Sample I.D.: M14-6

Laboratory: Test A

Analyzed for:

TPH-G BTEX MTBE TPH-D

Other:

Equipment Blank I.D.:

11

Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #:	070514-4W1	Client:	Burns + McDonnell
Sampler:	Wolff	Start Date:	5-16-07
Well I.D.:	MW-7	Well Diameter:	2 3 4 6 8 _____
Total Well Depth:	269.14	Depth to Water	224.10
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	PVC	Grade	Flow Cell Type: PSI-556

Purge Method: 2" Grundfos Pump
Sampling Method: Dedicated Tubing

Peristaltic Pump New Tubing

3/4" Bladder Pump

Flow Rate: 100 ml/min

Pump Depth: 268'

Did well dewater? Yes

No

Amount actually evacuated: 2000

Sampling Time:

0950

Sampling Date: 5-16-07

Sample I.D.:

M(1)-7

Laboratory: Test An

Analyzed for:

TPH-G BTEX MTBE TPH-D

Other:

Equipment Blank I.D.:

Time

Duplicate LD:

LOW FLOW WELL MONITORING DATA SHEET

Project #:	070514-AW1	Client:	Burns + McDonnell
Sampler:	Wolf	Start Date:	5-15-07
Well I.D.:	SW-3	Well Diameter:	2 3 4 6 8
Total Well Depth:	247.44	Depth to Water	223.51
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	PVC	Grade	Flow Cell Type: 451-SSG

Purge Method: 2" Grundfos Pump

Sampling Method: Dedicated Tubing

Peristaltic Pump

New Tubing

Bladder Pump

Other

Flow Rate: 500 ml/min

Pump Depth:

| Did well dewater? Yes

No

Amount actually evacuated: ~~8,000~~

Sampling Time:

230

Sampling Date: 5-15-07

| Sample LD.;

5/11/3

Laboratory: Test Am

Analyzed for:

TPH-G BTEX MTBE TPH-D

Other

Equipment Blank ID:

10

Duplicate ID:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 070514-AW1	Client: Burns + McDonnell
Sampler: Wolff	Start Date: 5-15-07
Well I.D.: SW-5	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: 250.69	Depth to Water 219.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	Grade
	Flow Cell Type: 451-556

Purge Method: 2" Grundfos Pump
Sampling Method: Dedicated Tubing

Peristaltic Pump New Tubing

Bladder Pump **Other**

Flow Rate: 5-10 ml/min

Pump Depth: 249

Did well dewater? Yes No

Amount actually evacuated:

Sampling Time: 1345

Sampling Date: 5-15-07

Sample I.D.: S(1)-5

Laboratory: Test fm

Analyzed for:

TPH-G BTEX MTBE TPH-D

Other

Equipment Blank I.D.:

@ Time

Duplicate I.D.:

TEST EQUIPMENT CALIBRATION LOG

APPENDIX B

ANALYTICAL REPORTS & CHAIN OF CUSTODY DOCUMENTATION
Title 22/CAM 17 Metals
VOCs
Dioxins/Furans

APPENDIX C

**SOIL VAPOR ANALYTICAL REPORTS & CHAIN OF CUSTODY
DOCUMENTATION**
VOCs

UNSCANNABLE MEDIA

To use the unscannable media document # 2240229
contact the Region IX Superfund Records Center

APPENDIX D

**BURNS & McDONNELL'S QA/QC REVIEW OF GROUNDWATER & SOIL
VAPOR ANALYTICAL DATA**



Date: June 11, 2007

To: Gary Messerotes

From: Michelle Beckman

Re: QA/QC Review of Analytical Data
Second Quarter 2007 Groundwater and Soil Gas Sampling Event
Burns & McDonnell Project Number 40641 (Former Weber Aircraft)

Groundwater samples were collected from March 14 through 16, 2007 from seven monitoring wells associated with the Former Weber Aircraft facility. Fixed laboratory samples were analyzed by Test America of Irvine, California (formerly DelMar Analytical) for the following parameters:

Analysis	Method
Groundwater Samples	
Volatile Organic Compounds (VOCs)	SW-846 Method 8260B
1,4-Dioxane	SW-846 Method 8270C with Selective Ion Monitoring (SIM)
N-Nitrosodimethylamine (NDMA)	EPA 1625M
1,2,3-Trichloropropane*	SRL Method 524M-123TCP
Title 22 / CAM 17 Metals	
Alluminum, arsenic, antimony, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc	SW-846 Method 6010B
Mercury	SW-846 Method 7470A
Dissolved Metals	
Dissolved Iron	SW-846 Method 6010B
Dissolved Manganese	
Hexavalent Chromium	SW-846 Method 7199
Cations	
Calcium, magnesium, potassium, and sodium	SW-846 Method 6010B
Anions	
Chloride, Fluoride, Nitrate, Nitrite, and Sulfate	EPA 300.0
Perchlorate	EPA 314.1
Sulfide	SW-846 Method 9034
Dissolved Oxygen	EPA 360.1

* These analyses were performed by Test America of Ontario, Canada.

Additionally, soil gas samples were analyzed by H & P Geochemistry of Carlsbad, California for the following parameter:

Analysis	Method
Soil Gas Samples	
VOCs	SW-846 Method 8260B



Memorandum
June 11, 2007
Page 2

The following data sets were reviewed in support of this investigation:

Lab	Data Set	Date Collected	Matrix
Test America	1QE1452	05/14/2007	Groundwater
Test America	1QE1610	05/15/2007	Groundwater
Test America	1QE1762	05/16/2007	Groundwater
H & P Mobile Geochemistry	E705036	05/14-16/2007	Soil Gas

The quality assurance/quality control (QA/QC) results for the analyses were evaluated for achievement of any method-specific QA/QC criteria. Data qualifiers, when appropriate, were assigned according to the guidelines presented in *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (NFGO), 1999 and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (NFGI), 2004, as appropriate. Table 1 provides a summary of data qualifiers assigned during the data review. The QA/QC review results are discussed in the following paragraphs.

1. Chain-of-Custody – All chain-of-custody (COC) forms were appropriately signed, and no problems were noted with the COC forms.
2. Requested Analyses Completed – All samples were analyzed as requested on the COCs.
3. Holding Times – Samples for dissolved oxygen analysis were submitted to the lab outside of the 15-minute holding time. The laboratory analyzed these samples within 24-hours of collection. To indicate potential bias in the data, the dissolved oxygen results for all samples were qualified as estimated (J*) as indicated on Table 1.

All other sample preparation and analyses were performed within the appropriate holding times.
4. Sample Preservation – No problems were noted with sample preservation.
5. Laboratory Method Blanks – Method blanks were reviewed to determine the potential for sample cross contamination due to handling within the laboratory. Calcium was detected at a concentration of 0.203 mg/L in the method blank in QC Batch 7E15063. As all associated samples contained calcium at concentrations greater than five times the amount in the blank, no data required qualification. No other detections of target compounds were noted in the method blanks.
6. Trip Blanks – Trip blanks were submitted with the VOC and 1,2,3-trichloropropane analyses. Trip blank results were reviewed to determine the potential for VOC sample cross contamination due to sampling, handling, and shipping. No detections of target VOCs were noted in the trip blanks, and cross contamination was not an issue.
7. Surrogates – Surrogates are added for most organic analyses. Surrogates are compounds not normally found in the environment that are added (spiked) into samples and analyzed for percent recovery (REC). Maximum and minimum limits on the REC are set by the laboratory for the method used.



Memorandum
June 11, 2007
Page 3

Low surrogate RECs of 1,2-dichloroethane-d4 and 4-bromofluorobenzene were noted for the VOC analysis of soil gas Sample SVP9-100,p2500cc (Lab ID E705036-09). The low RECs indicate the potential for low bias in the data. All analytes in this sample were qualified as estimated (J*) to indicate the potential bias.

All other surrogate RECs were within control limits.

8. **Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD)** – The LCS contains a matrix similar to that of the sample that has been spiked with known concentrations of target analytes. The LCS is prepared and analyzed by the same method as the samples. As a measure of analytical accuracy, the results of the LCS are compared against the known analyte concentrations in the spike to determine REC. The purpose of the LCS is to determine the performance of the laboratory with respect to analyte recovery, independent of field sample matrix interference. The LCSD is a duplicate preparation and analysis of the LCS. Results of the LCS and LCSD are compared to each other to determine analytical precision using the relative percent difference (RPD).

Elevated LCS RECs of carbon tetrachloride, dichlorodifluoromethane, and 2,2-dichloropropane were noted for the VOCs analysis for QC Batch 7E15005. The high RECs indicate the potential for high bias in the data. No data were qualified as a result of these exceedances, as these compounds were not detected in the associated samples.

An elevated LCS REC of 1,2,3-trichloropropane was noted for QC Batch C7E1703. The high REC indicates the potential for high bias in the data. No data were qualified as a result of this exceedance, as 1,2,3-trichloropropane was not detected in the associated sample.

All other LCS/LCSD results were within QC limits.

9. **Matrix Spike and Matrix Spike Duplicate (MS/MSD)** – MS and MSDs are typically run for inorganic and organic analyses performed using a soil or water matrix. A sample is split into three portions (original, MS, and MSD), and a known amount of a target analyte is added (spiked) to two portions (MS and MSD) of the sample. The results are compared against the unspiked portion of the sample for REC of the spike. Additionally, the results are compared against each other using an RPD to determine reproducibility.

Given the high likeliness of MS/MSD results outside QC limits due to matrix interference(s), data qualifiers were not added based solely on the non-project MS/MSD results outside control limits. Therefore non-project-specific samples will not be discussed in this section.

Elevated MS and/or MSD RECs of vinyl chloride, carbon tetrachloride, dichlorodifluoromethane, 2,2-dichloropropane, and hexachlorbutadiene were noted for the MS/MSD analyses ran on Sample 1QW1452-03 (SW-1) associated with QC Batch 7E15005. The high RECs indicate the potential for high bias in the data. No data were qualified as a result of these exceedances, as none of these compounds were detected in the original unspiked sample.

Memorandum
June 11, 2007
Page 4

MS/MSD results were not provided for the 1,4-dioxane and N-nitrosodimethylamine due to insufficient sample volume. Analytical accuracy and precision were assessed by the associated surrogate (for 1,4-dioxane) and LCS/LCSD (for 1,4-dioxane and N-nitrosodimethylamine) results. All other QC results were within control limits, and no qualifiers were added based on this omission.

10. Laboratory Duplicate Results – Duplicate samples are typically run for inorganic analyses. A sample is split by the laboratory into two portions and analyzed separately. The results of these two portions are compared with each other for reproducibility using the RPD.

Laboratory duplicates were analyzed for the dissolved oxygen analyses. All laboratory duplicate results were within their respective QC limits.

11. Field Duplicate Results – Field duplicate results provide information on the ability to reproduce field results and account for error introduced from handling, shipping, storage, preparation, and analysis of field samples. Table 2 provides a summary of the field duplicate results.

The following soil gas field duplicate sample pairs were collected:

- SVP9-100, P2500cc and SVP9-100Dup, P2560cc: The RPD for tetrachloroethene was 42 percent, which exceeded the QC limit of 25 percent. No data were qualified as a result of this exceedance. All other results were adequately replicated.
- SVP11-50, P1250cc and SVP11-50Dup, P1310cc: The RPD for tetrachloroethene was 45 percent, which exceeded the QC limit of 25 percent. No data were qualified as a result of this exceedance. All other results were adequately replicated.
- SVP1-100, P2500cc and SVP1-100Dup, P2560cc: The RPDs for trichloroethene and tetrachloroethene were 33 and 30 percent, respectively, which exceeded the QC limit of 25 percent. No data were qualified as a result of these exceedances. All other results were adequately replicated.

No groundwater field duplicate samples were collected.

12. Detection and Quantitation Limits – Table 3 presents a summary of the samples/analyses requiring dilutions to account for matrix interference and/or high concentrations of target analytes. These dilutions resulted in elevated reporting limits for any non-detect constituents. Note that the dilution factor for all of the soil gas samples were much less than one and most of the dilution factors for 1,4-dioxane and N-nitrosodimethylamine are slightly less than or greater than one to account for volume differences.
13. Conclusion – Table 1 provides a summary of data qualifiers that were assigned as a result of the QA/QC review. No data were rejected, and the data are usable, as qualified, in reporting the results of this sampling event.



Memorandum

June 11, 2007

Page 5

Attachments

Table 1 – Data Qualifiers

Table 2 – Field Duplicate Results

Table 3 – Dilution Factors

Table 1
Data Qualifiers
Former Weber Aircraft

Sample	Lab ID	Analyte	Parameter	Data Qualifier	Comments
Soil Gas Samples					
SVP9-100, P2500cc	E705036-09	VOC	All VOC analytes	J*	Low surrogate RECs
Groundwater Samples					
MW-4A	1QE1452-01	GEN CHEM	Dissolved oxygen	J-	Recommended holding time exceeded.
SW-1	1QE1452-03	GEN CHEM	Dissolved oxygen	J-	Recommended holding time exceeded.
SW-2	1QE1610-01	GEN CHEM	Dissolved oxygen	J-	Recommended holding time exceeded.
MW-6	1QE1610-02	GEN CHEM	Dissolved oxygen	J-	Recommended holding time exceeded.
SW-3	1QE1610-04	GEN CHEM	Dissolved oxygen	J-	Recommended holding time exceeded.
SW-5	1QE1610-05	GEN CHEM	Dissolved oxygen	J-	Recommended holding time exceeded.
MW-7	1QE1762-02	GEN CHEM	Dissolved oxygen	J-	Recommended holding time exceeded.

GEN CHEM = General Chemistry

ID = Identification

J* = Qualified as estimated during the data evaluation.

J- = Qualified as estimated, biased low, during the data evaluation.

REC = Percent Recovery

VOC = Volatile Organic Compound

Table 2
Field Duplicate Results
Former Weber Aircraft

Parameter		Sample Name Date Sampled Laboratory Number	SVP9-100,P2500cc 5/14/2007 E705036-09	SVP9-100Dup,P2560cc 5/14/2007 E705036-10	Meets Criteria? (Yes/No)
Volatile Organic Compounds					
1,1-Dichloroethene	µg/L		4.2 J*	4.4	Yes
Freon 113	µg/L		2.5 J*	2.6	Yes
Trichloroethene	µg/L		2.0 J*	2.5	Yes
Tetrachloroethene	µg/L		19 J*	29	No, RPD=42%
All Other VOC Analytes	µg/L	Not Detected	UJ*	Not Detected	Yes

Parameter		Sample Name Date Sampled Laboratory Number	SVP11-50,P1250cc 5/15/2007 E705040-16	SVP11-50Dup,P1310cc 5/15/2007 E705040-17	Meets Criteria? (Yes/No)
Volatile Organic Compounds					
1,1-Dichloroethene	µg/L		1.4	1.0 U	Yes
Trichloroethene	µg/L		1.7	1.0 U	Yes
Tetrachloroethene	µg/L		19	12	No, RPD=45%
All Other VOC Analytes	µg/L	Not Detected		Not Detected	Yes

Parameter		Sample Name Date Sampled Laboratory Number	SVP1-100,P2500cc 5/16/2007 E705047-03	SVP1-100Dup,P2560cc 5/16/2007 E705047-04	Meets Criteria? (Yes/No)
Volatile Organic Compounds					
1,1-Dichloroethene	µg/L		21	21	Yes
Trichloroethene	µg/L		25	35	No, RPD=33%
Tetrachloroethene	µg/L		1.7	2.3	No, RPD=30%
All Other VOC Analytes	µg/L	Not Detected		Not Detected	Yes

J* = Qualified as estimated during the data review.

RPD = Relative percent difference

U = Not detected. Value reported is the detection limit.

µg/L = micrograms per liter

VOC = Volatile organic compounds

Table 3
Dilution Factors
Former Weber Aircraft

Sample	Lab Number	Analysis	Parameter	Dilution Factor
Soil Gas				
SVP8-35,P875cc	E705036-01	VOCs	All Analytes	0.05
SVP8-200,P5000cc	E705036-02	VOCs	All Analytes	0.2
SVP8-150,P3750cc	E705036-03	VOCs	All Analytes	0.05
SVP8-75,P187cc	E705036-04	VOCs	All Analytes	0.05
SVP8-50, P1250cc	E705036-05	VOCs	All Analytes	0.05
SVP9-200, P5000cc	E705036-06	VOCs	All Analytes	0.1
SVP9-50,P1250cc	E705036-07	VOCs	All Analytes	0.05
SVP9-150,P3750cc	E705036-08	VOCs	All Analytes	0.2
SVP9-100,P2500cc	E705036-09	VOCs	All Analytes	0.05
SVP9-100Dup,P2560cc	E705036-10	VOCs	All Analytes	0.05
SVP5-50,P1250cc	E705036-11	VOCs	All Analytes	0.05
SVP5-200,P5000cc	E705036-12	VOCs	All Analytes	0.2
SVP5-150,P3750cc	E705036-13	VOCs	All Analytes	0.2
SVP5-100,P2500cc	E705036-14	VOCs	All Analytes	0.05
SVP16-50,P1250cc	E705036-15	VOCs	All Analytes	0.05
SVP16-150,P3750cc	E705036-16	VOCs	All Analytes	0.05
SVP-16-100,P2500cc	E705036-17	VOCs	All Analytes	0.05
SVP2-150,P3750cc	E705036-18	VOCs	All Analytes	0.1
SVP2-50,P1250cc	E705036-19	VOCs	All Analytes	0.05
SVP6-200,P5000cc	E705036-20	VOCs	All Analytes	0.2
SVP7-100,P2500cc	E705040-01	VOCs	All Analytes	0.05
SVP7-200,P5000cc	E705040-02	VOCs	All Analytes	0.2
SVP2-100,P2500cc	E705040-03	VOCs	All Analytes	0.05
SVP7-50,P1250cc	E705040-04	VOCs	All Analytes	0.05
SVP7-150,P3750cc	E705040-05	VOCs	All Analytes	0.2
SVP3-35,P875cc	E705040-06	VOCs	All Analytes	0.05

Table 3
Dilution Factors
Former Weber Aircraft

Sample	Lab Number	Analysis	Parameter	Dilution Factor
Soil: Gas				
SVP3-200,P5000cc	E705040-07	VOCs	All Analytes	0.2
SVP3-100,P2500cc	E705040-08	VOCs	All Analytes	0.05
SVP3-150,P3750cc	E705040-09	VOCs	All Analytes	0.2
SVP6-100,P2500cc	E705040-10	VOCs	All Analytes	0.05
SVP6-150,P3750cc	E705040-11	VOCs	All Analytes	0.2
SVP11-75,P1875cc	E705040-12	VOCs	All Analytes	0.05
SVP11-200,P5000cc	E705040-13	VOCs	All Analytes	0.2
SVP11-25,P625cc	E705040-14	VOCs	All Analytes	0.05
SVP11-150,P3750cc	E705040-15	VOCs	All Analytes	0.2
SVP11-50,P1250cc	E705040-16	VOCs	All Analytes	0.05
SVP11-50dUP, P13106	E705040-17	VOCs	All Analytes	0.05
SVP1-50,P1250cc	E705047-01	VOCs	All Analytes	0.05
SVP1-150,P3750 cc	E705047-02	VOCs	All Analytes	0.2
SVP-100,P2500cc	E705047-03	VOCs	All Analytes	0.05
SVP1-100dUP,P2560cc	E705047-04	VOCs	All Analytes	0.05
SVP4-50,P1250cc	E705047-05	VOCs	All Analytes	0.05
SVP4-200,P5000cc	E705047-06	VOCs	All Analytes	0.2
SVP4-100,P2500	E705047-07	VOCs	All Analytes	0.05
SVP10-50,P1250cc	E705047-08	VOCs	All Analytes	0.05
SVP10-200,P5000cc	E705047-09	VOCs	All Analytes	0.2
SVP10-150,P3750cc	E705047-10	VOCs	All Analytes	0.2
SVP10-100,P2500cc	E705047-11	VOCs	All Analytes	0.2
Groundwater				
MW-4A	1QE1452-01	VOCs SVOCS SVOCs Anions	All Analytes 1,4-Dioxane N-Nitrosodimethylamine Chloride Nitrate-N Sulfate	10 1.01 1.01 10 10 10

Table 3
Dilution Factors
Former Weber Aircraft

Sample	Lab Number	Analysis	Parameter	Dilution Factor
Groundwater				
SW-1	1QE1452-03	SVOCS SVOCs Anions	1,4-Dioxane N-Nitrosodimethylamine Chloride Nitrate-N Sulfate	0.943 0.943 10 10 10
MW-7	1QE1762-01	SVOCS SVOCs Anions	1,4-Dioxane N-Nitrosodimethylamine Chloride Nitrate-N Sulfate	1.04 0.98 10 10 10
SW-2	1QE1610-01	Anions	Chloride Nitrate-N Sulfate	10 10 10
MW-6	1QE1610-02	VOCs SVOCs SVOCs Anions	All Analytes Except Freon 113 1,4-Dioxane N-Nitrosodimethylamine Chloride Nitrate-N Sulfate	5 0.98 0.98 10 10 10
SW-2	1QE1610-04	SVOCs SVOCs Anions	1,4-Dioxane N-Nitrosodimethylamine Chloride Nitrate-N Sulfate	0.976 0.976 10 10 10
SW-5	1QE1610-05	SVOCs SVOCs Anions	1,4-Dioxane N-Nitrosodimethylamine Chloride Nitrate-N Sulfate	4.81 0.962 10 10 10

VOC = Volatile Organic Compound

SVOC = Semivolatile Organic Compound

